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A WEEKLY SOUTHERN INDUSTRIAL, RAILROAD AND FINANCIAL NEWSPAPER

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BALTIMORE, JANUARY 27, 1910.

MEAT PRICES AND MEAT POLI- TICS.

About the time that the meat-packing interests have succeeded in beating down the prices that the farmers ask for their cattle some wearers of "No Meat" buttons will probably begin to discover the origin of the campaign into which they incontinently rushed. There is no way of preserving in cold storage misdirected enthusiasm. Meat packers can keep their wares in cold storage until enthusiasm wears itself out, and then they can resume the selling of meat at prices as high as ever before, if not higher, having in the meantime bought the cattle from the farmers at depressed prices.

The ultimate disadvantage to the consumers from this adroitness on the part of the meat packers, however, will not be as great an evil as the result of professional party politicians taking a hand in a question which is described as threatening "to sweep over the country like wildfire." In nine hundred and ninety-nine cases of a thousand agitations which sweep over the country like wildfire are likely to furnish material for the benefit of professional politicians, but to the hurt of the masses of the American people. They sweep over the country like wildfire because they appeal to unreasoning enthusiasm or passion justified, perhaps, by superficial facts, but deliberately fanned by selfish individualism. The hot cry for lower prices for beef and the suggestion that the politicians concern themselves about it indicate that the lesson of the coal miners' strike in 1902 has not been learned by the public

that apparently does not yet know what interests—not the consumers of coal—were benefited by the intrusion of politicians in contempt for the Constitution of the country.

Unless boycotters of meat expect to bring about a situation in which they may obtain meat at lower prices without causing loss to the men who raise cattle, they had better discourage any attempt on the part of politicians to add to the situation the baneful confusion of their demagogy.

A SUGGESTION FOR SOUTHERN RAILROAD MANAGERMENTS.

A misunderstanding of the invitation of the MANUFACTURERS' RECORD to business bodies of the South to send for publication brief letters making known the wants of their respective communities has given us a signal illustration of the activity of Western railroad men in promoting the development of their section. It seems that the industrial agent of a railroad operating through Kansas called our offer to the attention of business bodies in the cities along the line. The suggestion and the opportunity to give publicity to their communities were immediately seized, and in two mails we received letters of the kind from Independence, Topeka, Fort Scott, Leavenworth, Great Bend and Kansas City, Kans. We wish that our limited space and our policy in this connection would permit us to publish these letters and others that we shall surely receive from Kansas. But the MANUFACTURERS' RECORD is trying, not to get men to move to Kansas from the South, but, without any feeling against Kansas, we are trying to induce Kansans to come in and share in the progress and prosperity of the South. We are confident that if all the railroads of the South, or, indeed, if only a dozen of the larger systems, should be as prompt to recognize the opportunity presented in our offer to business bodies, their facilities for carrying substantial and desirable settlers to the South from other parts of the country would soon be taxed to their utmost.

LOBBYING AGAINST PERIODI- CALS.

What great interest or combination of interests is interested in crippling the publication of periodicals in this country? What great interest or combination of interests is so concerned about the matter as to spend money in circulating at first-class postage rates expensive literature in support of the movement, brought to the front again in the uninformed message of the President, designed, under pretense of overcoming a deficit in the management of the Postoffice Department, to restrict the influence of periodicals other than daily newspapers? The MANUFACTURERS' RECORD asks these questions because it has received an anonymous printed communication calculated to give a careless reader the impression that some periodical publisher is in-

dulging in "candid criticism from within" of alleged abuses of second-class mail.

This anonymous attack upon the really influential section of the American press—that is, influential for the good of the country—is on a par with most statements introduced by the phrase, "To be perfectly frank with you," or "To be candid." Such introduction usually implies that the hearer is to be handed out a lie, or is to be a continuing victim of deception.

Analysis of the anonymous attack upon the periodical press, which was mailed from New York and which was full of the deliberate demagogy which great interests employ in attempts to deceive the people, is hardly necessary here. The main question is, Who is paying the bills and what is the game?

"HOOKWORM" AND IMMIGRA- TION TO THE SOUTH.

A sure sign that Italy is again preparing to expedite the movement of its surplus population into the South is the posting of a rumor that the Italian Government is opposing immigration of its population to this country. For 20 years there has been a long-thought-out plan of colonizing Italians in the South, and it has been pressed quite vigorously within the past six or seven years under the auspices of officials of the Italian Government. Whenever natural opposition to such a colonizing scheme under the auspices practically of a foreign power has threatened to take a definite form the time-worn rumor of opposition on the part of the Italian Government has been given publicity in this country. The latest rumor of the kind, emerging from New Orleans, is that the Italian Ambassador has been recalled from Washington on account of his activity in endeavoring to place Italians in the South. His activity is indisputable. But it is hard to believe, in knowledge of the past, that his activity in this particular was against the wishes of his Government or had anything at all to do with his recall. On the contrary, it may be reasonably expected that there will be a renewal of attempts to colonize the South by wholesale, not with the desirable class of Italians, of whom there are thousands in this country already, but with the element among Sicilians and the inhabitants of the purlieus of Southern Italian cities that the Italian Government desires to be well shunt off. In this connection it is interesting to note the statement by a New Orleans physician, Dr. Joseph A. Danne, as follows:

The very fact that Rockefeller gave a million dollars to help stamp out the hookworm has added much to the talk of the disease. An Italian physician recently told me that reports of the prevalence of this disease had the effect of scaring Europeans away from the South.

Supplementary to this is the following credited to the Philadelphia Evening Telegraph:

The climatic conditions in the South make

active physical labor unsuitable for certain races, and it would be inadvisable to encourage the Danes and Swedes and North Germans, despite their many excellent qualities, to go there. But the case is quite different with the Italians, Greeks and other southern races, to whom the climate and general conditions are eminently suitable.

The Telegraph is probably a victim of ignorance about climatic conditions in the South, but an ignorance unjustified in any intelligent American, in view of the widespread knowledge of Southern conditions and of the signal success of such stocks as the Germans in their fifty-odd years' history in Texas. It is hard to believe that any Italians are being scared away from the South by the hookworm, but it is conceivable that the exaggerated impression of Southern drawbacks created by the Rockefeller hookworm agitation will prevent the movement to the South of desirable immigrants from other parts of the country or from Europe if the South continues to be dazzled by a million dollars and to encourage the agitation. As the MANUFACTURERS' RECORD said when the fully-ripe hookworm scheme came to the surface two months ago:

Seducing the South into supporting schemes to keep the negroes massed there is an effective means, when supplemented by sensational publications in the North and West, of checking the natural instinct of thrifty men in other parts of the country, whether native-born or coming from portions of Europe where Caucasian elements dominate, to move to the portion of the country where nature offers the greatest returns for human enterprise and industry. But as a means of checking desirable immigration and, consequently, easing down the South to becoming a party to the scheme to dump upon the South the undesirables of great cities in the North and their ever-increasing hordes of newcomers, it cannot touch the effect of the false impressions about the South and its people, created by the \$1,000,000 alms for the "eradication of hookworms."

DANGER TO THE COUNTRY IN THE PROPOSED FEDERAL IN- CORPORATION LAW.

In the much talk of the conservation of the natural resources of the country there is danger of losing sight of the necessity for a phase of conservation—the conservation of the institutions of the United States—without which the conservation of natural resources will be for naught. For it will be a conservation of natural resources for the sole exploitation of great aggregations gaining control of the powers of the Federal Government through Federal incorporation—a confiscation by great interests of the birthright of the people of the United States without even an offer of a mess of pottage.

Railway corporations, in making contracts with the United States Government to carry the mails, not only gain a source of great profit for themselves, but are assured of the power of the United States arms in the maintenance of their operations. It is right that this assurance should be had, and it is right that the power of the United States in the relations of the Federal Government and the Governments of the several States should be exercised

within constitutional limitations and provided there is sufficient justification for the exercise. Federal incorporation of transportation and manufacturing aggregations, under a straining of the interstate commerce provision of the Constitution, will be placing the whole power of the Federal Government behind the operations of such aggregations. It will be the prelude to the revolution sketched about four years ago by one credited with being active in the legislation for a corporation income tax, legislation, which accomplished, is obviously for the benefit of the great aggregation. The revolution was sketched as follows:

There is but one way in which the States of the Union can maintain their power and authority under the conditions which are now before us, and that way is by an awakening on the part of the States to a realization of their own duties to the country at large.

If the States fail to furnish it in due measure, sooner or later constructions of the Constitution will be found to vest the power where it will be exercised—in the National Government.

Our comments at the time fit the present situation. They were as follows:

Corporations engaged in operations more than Statewide have in a number of signal instances recently expressed a desire for Federal control. They have been embarrassed by legislation in the several States. In driving at some corporations which they have deemed undesirable the States have in many cases menaced in their legislation all corporations, and have consequently impeded their own natural development. But that is a matter of shortsightedness which, while regrettable from the viewpoint of well-wishers for the States, lies solely between the State and the corporations, except in cases where the State legislation has conflicted with Federal law. It should be remembered, though, that extravagances in State legislation against corporations are traceable to the anxiety of some corporations in the past to control State legislation in their particular interests before there had grown up the conviction that the interests of corporation and community are identical and that neither can be assailed by the other without injury to both.

But it is for the safety of corporation and State alike that centralization of power in the hands of the National Government be kept at the smallest possible minimum. It would, indeed, be a blessing to both could the power already gained by the National Government in this particular be curtailed to the point of safety to the institutions of the country.

Two suggestions may emphasize the dangers latent in the proposed control from Washington of all corporations. Only recently Texas was able to bring its law upon a corporation operating within its borders. The law is a State law. About it may be features objectionable to men sincerely and disinterestedly concerned for the welfare of that great State. But, after all, a State, for the safety of its people, must be the sole judge of the wisdom or expediency of its legislation, limited only by the Constitution. Upon that judgment, of course, depends the material welfare of a State, and the people of the State are responsible for the injury or benefit that may come to them through their legislative action. In this case of Texas the law passing through the courts was held to be in accordance with the principles of Law, and the integrity of the State was vindicated. What would have happened, though, to Texas under such auspices as a possible National Government at Washington and with Federal control of corporations, had Texas undertaken to express its sense of injustice against the corporation, especially if a national election was looming?

That illustrates the menacing possibilities of a State's being bound by the National Government by means of the imposition of an excise tax, either at a time when there may be a pressing demand for funds to further a political campaign affecting the interests or ambitions of individuals for the moment constituting the Government, or when the dominant mind in the Government long identified with the species of corporations that hold that the people have no rights which corporations are bound to respect, should sincerely exert pressure that would induce constructions of the Constitution in line with that mind.

On the other hand, the danger to corporations in the proposed National control is ap-

parent in the possibility of the Government's falling into the hands of an element looking upon all corporations as its legitimate prey. There is such an element in this country, and an element of considerable numerical strength. The evil that it has wrought here and there within State lines through its harrying of corporations or in the National field through demagoguery in high places of the Government ought to be sufficient to suppress every inclination to create a situation in which such possibilities may develop. Safety for corporations and for the country is to be had only in maintaining and strengthening the balance among branches of the Federal Government and between the Federal Government and the States planned by the fathers. In that balance is the salvation of the individual citizen, his protection against the mob on the one hand and against oppression under the form of law on the other. Regard for that balance permits no adroit suggestion of "constructions of the Constitution" justifying revolution; it hints of no impairment by a State of the constitutional rights of individual or corporation; it utterly abhors the thought of coercion of a State by the Federal Government at the instigation of a corporation or any aggregation of corporations.

If subtle minds had devoted as much patience and ability to the enlightening of the mass of their fellow-citizens upon the subject of the importance of corporations in human economy as they have given to the framing of legal devices for the benefit of corporations forgetful of the individual, if some corporations had employed the talent at their command in building up a conservative and sane opposition to demagoguery in all its forms, instead of resorting to corrupt means for dividing the camp of demagoguery, there could never have been the slightest pretext for the essentially demagogic and revolutionary proposition of an excise tax for the regulation of corporations.

When it is realized that great interests have been able to use the arm of the Federal Government in making marketable their holdings of raw materials in foreign lands, and, in the case of the Spanish-American War, in enabling them to hasten their plans of controlling the sources of raw materials to be brought into this country; under special tariff legislation, to the beating down of the values of holdings of such raw materials in the United States, the danger of giving, through Federal incorporation, even greater power to great interests against the smaller and weaker ones and against the individual, whether producer or consumer, is manifest. If great interests that have been to the fore for Federal incorporation have the power to give effect to a President's recommendation on that point through the lawmaking branch of the Government, their power after Federal incorporation may readily be understood. Belated prosecutions will become greater farces than ever.

Strengthening of the power of the States is the thing needed.

AUTOMOBILES IN THE SOUTH.

A prophecy of the coming South is had in a statement on another page of this week's issue of the MANUFACTURERS' RECORD, that in the Northern Panhandle of Texas, a region given over a generation ago to the cow-puncher, farmers are now using automobiles. This chimes with the fact that in the past year the number of automobiles in operation in Dallas, for instance, increased from 268 to 911, and that the Christmas holidays in that city were signalized by the arrival of a solid train of 40 cars bringing 127 automobiles, valued at \$163,970, from the factory in Michigan. The train bore on each car banners announcing that it was carrying automobiles to Texas. This solid trainload was no mere advertisement of Texas; it was a manifestation of a tendency confined to no part of the South, and bound to become even more pronounced with the completion of plans involving the expenditure of between \$20,000,000 and \$30,000,000 for

the improvement of the public highways of that section. Another indication is had in a statement in *Printers' Ink* by John M. Bruce, the manager of a company handling automobile specialties. In discussing the effect of the increasing wealth of the South upon his business, he says:

Our newspaper advertising will keep pace with its advance northward. I might state that we believe the South to be a great coming automobile market. Not only are the Southern States spending a good deal of money for good roads, particularly macadam roads, but the weather there is good most of the year. Then, too, this year the South is prospering as the result of a big and high-priced cotton crop. It is a mistake to think that the "poor white" makes up the bigger part of the Southern population. The small farmer is learning how to make money and how to enjoy life. He is taking a fancy to automobilizing. The machine, you see, does away with the one great drawback of rural life—isolation. It's useful also in a commercial way.

What Mr. Bruce says about the increasing wealth of the South, about the building of good roads, and the demand for automobiles and automobile supplies is true. The South is just commencing to grow as compared with what it will do in the future. It has made marvelous progress, but the progress of the next five years will exceed that of the last 10 or 15 years. The facts stated by Mr. Bruce bear not only upon the market in the South for automobiles and their accessories, but for everything required by a rapidly expanding industrial and financial activity and increasing wealth. The South is the coming field for business of many kinds, and the man who cultivates that territory thoroughly today is getting in on the ground floor for great business tomorrow.

"CONDENSED FACTS ABOUT THE SOUTH."

The MANUFACTURERS' RECORD has recently issued a four-page circular entitled "Condensed Facts About the South." This has been furnished free to all Southern business houses desiring to use it in correspondence.

Mr. L. L. Lawrence, manager of the industrial and immigration department of the New Orleans, Mobile & Chicago Railroad, writing from Laurel, Miss., asking for quotations on a thousand copies of the leaflet, of which he had just seen a copy, says:

If the price is not too great, ship this number at my expense. I would like to place one of them in each letter I write, especially to Northern territory. The sheet is a surprise to me.

We are very glad to be able to furnish the thousand copies to Mr. Lawrence without cost, just as we shall be glad to furnish them to any other Southern concern where they can be used to advantage.

The Standard Gas & Electric Co. of Raleigh, N. C., writes:

We will be pleased to receive a supply of leaflets, "Condensed Facts About the South," and if sent us we will send them out to Northern houses with whom we have business transactions. If consistent, we will be obliged if you will have printed at the end of the "Facts" the following: "For information regarding conditions in vicinity of Raleigh, N. C., or in counties adjacent to Wake county, address F. A. Olds, secretary Chamber of Commerce, Raleigh, N. C."

This additional paragraph in regard to Raleigh and Wake county was printed as a footnote in red on the copies sent to the Standard Company. We shall be glad to furnish copies without cost, so far as the existing forms are concerned, and add to them a specific line in red, such as this about

Raleigh, at the cost of printing this extra paragraph as a footnote.

P. S.—And now, as we go to press, Birmingham, with accustomed energy, asks through its Chamber of Commerce for 10,000 copies, which we shall take pleasure in sending.

ATTACKING A BIG WASTE OF THE PEOPLE'S MONEY.

As Congress, in voting a year ago \$150,000 for the National Immigration Commission, provided that the thing should be abolished by March 1, 1910, it is of interest to taxpayers of the country that the commission wants another \$125,000 "needed to wind up its work." The quickest way to wind up the work of this commission, work of no practical value to the people of the country, is for the Senate to back up the House of Representatives in refusing to make the \$125,000 appropriation in the pending urgent deficiency bill. The money wasted in this connection partly accounts for the necessity of an urgent deficiency bill.

The commission was created in an amendment of February, 1907, to the immigration laws, one of the amendments that should never have been made. It provided for an immigration commission, consisting of three Senators, appointed by the president of the Senate; three members of the House of Representatives, and three "experts," presumably appointed by the President of the United States. As the MANUFACTURERS' RECORD said at the time of the appropriation of \$150,000 to wind up the farce:

The salaries of the three last mentioned were fixed at \$7500 a year each; in the case of two who happened to be already on the national salary list the \$7500 including their regular pay. For example, one of them who had a salary of \$5000 was paid \$2500 in addition. So the actual annual salary account was hardly \$20,000. But when a showdown was asked in the absence of any definite results it was revealed that the commission had managed to spend between April 1, 1907, and February 27, 1909, a total of \$344,735.92. That was going some, as any commission of the kind might be expected to go. Six of its members were active members of Congress. What will a commission not do when five of its members have ceased to be active? The opportunities are suggested in the analysis of that \$344,735.92. The members of Congress were barred from receiving another salary, but two of the Senatorial and all three of the Representative members spent a delightful three months in Europe in the summer of 1907, taking in, as a whole or individually, England, Ireland, Scotland, France, Holland, Belgium, Germany, Denmark, Norway, Sweden, Russia, Austria, Hungary, Italy, Greece, Turkey, Bulgaria, Servia and Roumania. These five carried with them two secretaries, two stenographers, an official reporter, a medical expert and an immigration inspector, and their trip, with that of one of the experts for five months, cost the people of the country \$20,676. Should the proposed Tariff Commission be appointed, all five of the ex-Senators and ex-Representatives in its membership would surely find it necessary to make a trip to Europe for three months every summer as long as they lived.

But that will not be all. Let the Immigration Commission make another suggestion. Within 22 months that body managed to get on the payroll of the Government 20 employees, including secretaries, statisticians, stenographers, translators, special agents, computers, interpreters, an anthropologist and an assistant anthropologist. No apologist was on the payroll. He probably was not thought to be necessary until the call was made for a showdown. But the big string of employees accounts for the nearly \$350,000 spent in 22 months and probably for the appropriation of another \$150,000 to wind up the thing by March next.

Since that was written nine months ago there has appeared, to the best of our knowledge and belief, not a scintilla of evidence that \$150,000 might not have been saved to the taxpayers of the country by abolishing the Na-

tional Immigration Commission in February, 1907, when it was ordered to make a showdown. To be sure, there was published, perhaps for the purpose of cultivating an unthinking public sentiment in favor of the \$125,000 additional appropriation, abstracts of a couple of essays by "experts" of the commission, conveying in their abstracted form no valuable information of a positive character, however expressive they might be of what may be termed biological methods in sociologizing.

The episode, which one member of Congress estimates has cost the taxpayers \$657,993, without accomplishing anything practical, ought to direct the attention of the Congress to the whole system of "commissions" and special investigations at the expense of the people of the United States. There is that investigation into the question of the labor of women and children provided for in 1907. What has become of that and what is there to show for the expenditure of several hundred thousand dollars upon it? The system, which really roots in the willingness of legislative lame ducks to accept places of ease and emolument at the expense of the people of the United States, to say nothing of the steadily increasing horde of graduates of schools of philanthropy and of other lovers of leisure, anxious to get salaries for oratory and essays, ought to be thoroughly purged immediately. The National Immigration Commission had not reached the legislative lame-duck stage, but, judging from the past, it would have reached it had the attention of the public not been directed to its uselessness.

Congress should make a beginning of a much-needed reform by abolishing immediately this particular commission, and then should put an end to every other one of the kind, as well as to the special sociological investigations, that are none of the Government's business, anyhow, and should never have been undertaken under its auspices. The plea that additional money should be furnished to publish the results of the investigation should be utterly disregarded. Such publication would only add to the tons of useless literature which Congress is now trying to dispose of.

LEARNING ABOUT ONE'S OWN CITY.

The Business League of Houston, Tex., is doing practical work for the advancement of the city in having its members make periodic visits to the industrial establishments of the city. One of the drawbacks upon the growth of any city is the not infrequent lack of acquaintance of citizens with the facts about their own community. Such lack of knowledge may give birth to "knocking," and a city which permits knocking on the part of its own citizens—by knocking being meant not criticism based upon knowledge and the desire to correct an ill, but querulousness born of ignorance—is not likely to be an attraction to outsiders. It would be impossible for any citizen of Houston to be unacquainted with progressive things that are happening there, for the city has a live business body, presenting forcibly its claims, not only to Houstonians, but to progressive men elsewhere. Still, the campaign of the Houston Business League is an eminently sensible one, and other Southern cities would do well to follow its example.

APPRECIATIVE TAMPA.

At the January 14 meeting of the Board of Trade of Tampa, Fla., the following was adopted:

Resolution in re Space Devoted to Tampa's Interests.

Whereas, the Manufacturers' Record, published at Baltimore, Md., did in its issue of January 6, 1910, devote considerable space of its news columns to Tampa's principal industry, that of the manufacture of clear Havana cigars, illustrating said article; and

Whereas, the said paper is of such wide circulation with a high class of readers, and that the article was of great value to Tampa; therefore be it Resolved by the Tampa Board of Trade, in general monthly meeting January 14, 1910, That the thanks of this board be extended to the publisher of the Manufacturers' Record for his generosity in giving space to Tampa's cigar interest in this particular instance, and also for many past favors in exploiting Tampa progress and permanency, this Board realizing and appreciating the power of said Journal and its splendid work in building up the entire South.

F. C. BOWYER,

President.

Attest:
W. B. POWELL,
Secretary.

THE COTTON MOVEMENT.

In his report for January 21 Col. Henry G. Hester, secretary of the New Orleans Cotton Exchange, shows that the amount of cotton brought into sight during 143 days of the season was 7,790,279 bales, a decrease under the same period last year of 1,873,079 bales. The exports were 4,013,975 bales, a decrease of 1,441,947 bales. The takings were, by Northern spinners, 1,350,412 bales, a decrease of 277,181 bales; by Southern spinners 1,220,968 bales, a decrease of 17,257 bales.

PRACTICAL.

At its last meeting the Board of Trade of Little Rock placed itself staunchly alongside of the farmers of Arkansas in devoting its attention to discussions of peanut possibilities, the substitution of the soy bean for cotton, proper use of fertilizers, dairying and other germane topics. Such a policy is likely to have a decided effect in promoting the movement for diversification in agriculture in the State through which the city will benefit.

WOULDN'T JOIN SOUTHERN COMMERCIAL CONGRESS.

Chamber of Commerce Hesitates to Put \$50 Into It.

[Savannah News, January 19, 1910.]

The Southern Commercial Congress, with headquarters in Washington, may be an institution capable of accomplishing great things, but because some of the directors of the Chamber of Commerce were not very favorably impressed with its work so far the Chamber yesterday failed to vote \$50 for a membership in the congress.

The matter was brought to the attention of the directors through an explanatory invitation from the congress. At first blush several of the directors present thought it would be \$50 well spent, even if nothing much came of the organization, and the money would be invested to good purpose if the congress were to prove a great success.

But after the subject had been discussed pro and con, and some of the directors, who were in Washington recently while the congress was in session, had been heard from, a motion to table the invitation was adopted without a dissenting voice.

The South Atlantic Lumber Co. of Greensboro, N. C., has issued a very handsome calendar entitled "Where the Fox Ran." Every man who loves the fox hunt will be delighted with this calendar.

To Reclaim 1,000,000 Acres of Louisiana Land.

[Special Dispatch to Manufacturers' Record.]

New Orleans, La., January 25.

Partial announcement is made of plans by which Northern capitalists will inaugurate a gigantic development in a systematic manner of the wet lands in the vicinity of New Orleans. D. R. Niver, president of the prominent bond house of Trowbridge & Niver, with headquarters in Chicago, and S. S. Speer, vice-president, after an investigation extending over a year's time, have made an arrangement with Edward Wisner by which they are to underwrite a bond issue of \$1,500,000, which will be utilized to finance the drainage and settlement of a large portion of the more than 1,000,000 acres of wet lands which Wisner has been accumulating in lower Louisiana during the past 15 years. While no detailed statements as to the complete plan of operation have been given publicly as yet, and it will take some weeks to perfect negotiation so that a full statement may be issued, Mr. Niver is authority for the declaration that he and his associates have taken over the bond issue named, covering 50,000 acres in the vicinity of Bayou Lafourche and that this means the inauguration of the work of draining the entire tract without delay, putting it in ideal shape to offer to farmers in the North and West.

As Mr. Niver's company has handled the securities for 72 reclamation projects in 11 different States with signal success, and has thereby acquired the confidence of the largest clientele of any house operating securities on land reclamation projects, it is apparent that the drainage and settlement of Louisiana's wet lands has been given an impetus of tremendous force by the identification of these interests with the work. Indeed, it is not too much to say that this move means the focussing of interest in Louisiana's wet lands to a degree that will bring an avalanche of developers and land buyers to this section within the very near future. This is the first identification with this enterprise of interests of national standing and bigness, and it means a leadership that the crowd will eagerly follow.

With Messrs. Niver and Speer, there are in this vicinity Samuel Adams, the company's attorney; W. H. Rosecrans, chief hydraulic engineer of the Arnold Engineering Co., Chicago, and others of the working force of the company. After an extensive examination of the Wisner properties, complete and even enthusiastic endorsement of the attractiveness of the proposition has been given. Mr. Niver is greatly impressed with the fertility of the Louisiana soil, the climate, allowing practically all-the-year cultivation, the proximity to the great markets of the country, and the simplicity of the engineering problems of drainage and pumping. With lands in the North and West commanding \$200 to \$300 an acre, he is certain the vastly more fertile alluvial lands of Louisiana must ultimately reach somewhere near a parity in price.

The plans as now given out include complete drainage of the lands, with canal, levees, lateral ditches, pumping plants, and incidentally electric service for the power and lighting of the farms. With the inauguration of the work on a big scale at the outset, the operations will immediately call for a considerable outlay for machinery and labor, and as it is proposed to get large acreages ready for cultivation with as little delay as possible, there are assurances of a great activity in the section right away. The active co-operation of officials of the Southern Pacific and Illinois Central rail-

roads has been assured, since they recognize that no move could be of greater importance than the settlement of the vacant lands of Louisiana. There is every reason to believe that the identification of the Niver interests with this section marks the beginning of an entirely new era for New Orleans and all Louisiana.

Of a value hardly yet to be realized, so tremendously important will be the benefits to be derived, is the evident interest being taken all over the country in the opportunities for development presented by the vast acreages of wet lands which surround New Orleans. These lands, rich in crop-producing values beyond compare when drained, as can be easily and cheaply done, but wholly worthless for agricultural purposes unless drained, would, if under cultivation by farmers and truck growers, support in comfort 1,000,000 added population, which would furnish occasion for a metropolis here of vastly greater magnitude than is the New Orleans of today. This opportunity, not heretofore widely recognized by the average Louisianian, has now attracted the attention of powerful interests on the outside, as is evidenced by newspaper articles, discussions in Congress and legislatures, the introduction of various bills looking to the drainage of the whole wet-land section of the South, the expressions contained in letters and articles by such progressive developers as B. F. Younkum and others, and the inquiries which are being made to owners of these lands in this section.

When THE MANUFACTURERS' RECORD first began the agitation for the drainage of the wet lands of the South a number of years ago, there was no little indifference and even skepticism manifested by a large part of the public in general and in Louisiana especially. With the vast and ever-increasing land hunger that permeates the country, the attention of developers has been attracted finally to the great possibilities Louisiana contains. The exhibit made by agents of the Wisner lands at the Tribune Land Show in Chicago and the National Corn Show at Omaha opened the eyes of thousands of Northerners to the character of the Louisiana soil and the possibilities for profitable operations here, and altogether there is an interest in Louisiana lands which promises most far-reaching results, and it would seem that the beginning of a tremendous development would not be long delayed.

"A combination of forces is at work that will bring about as great a development in Louisiana as has been seen in Oklahoma and Texas," a man familiar with the situation recently declared to me here. "The whole Mississippi Valley is going to be drained, and you will see things hum from the northern line of Arkansas to the Mexican Gulf."

ALBERT PHENIX.

TO SPEND ANOTHER \$1,000,000.

Additional Warehouse and Elevator Facilities at Texas City.

The magnitude of development operations now under way and projected for the enlargement of the warehouse and wharf facilities at Texas City, Tex., is indicated in a letter from Mr. A. B. Wolvin, Duluth, Minn., president of the Texas City Transportation Co., who, writing to the MANUFACTURERS' RECORD, says:

"Have just let final contract covering construction of 500,000-bushel capacity grain elevator, to be of steel and concrete construction, enlarging our present pier.

thus making it 1000 feet wide by 1200 feet long, and building thereon an additional fireproof warehouse 1000 feet in length, and the construction of four electric dock cranes. These particular features of the new work, as above specified, together with track connections, conveyors and all that, will aggregate in cost in round numbers \$1,000,000. Our contract stipulates that this will all be ready for service during the coming July. This new work, as above outlined, together with the election of new construction now under way, which will be finished in April, will give us adequate facilities for the handling of 1,000,000 tons of freight per annum, and we expect to be going pretty nearly at this rate along about next July."

James Stewart & Co. of Chicago, who received the contract for the Texas City elevator, in writing to the MANUFACTURERS' RECORD about the matter, also add:

"A 15,000-ton coal warehouse will probably be built on the wharf, the latter having become a necessity in the handling of the Texas City Transportation Co.'s coal contract with the Western Maryland Railroad Co. of Baltimore.

"The elevator will be so constructed that it may at any time in the future be enlarged to care for 1,500,000 bushels."

These facts strikingly emphasize the great work that is under way at Texas City, as recently outlined in a comprehensive story published in the MANUFACTURERS' RECORD, with a view to providing at that port probably the most comprehensive system of warehouses and docking facilities in combination existing anywhere in the United States. Mr. A. B. Wolvin, president of the company, is one of the leaders in the great transportation interests of the Lakes, and he is giving to the South the benefit of the experience gained in handling Lake trade on the most scientific lines, and in bringing to this section great capital for the extension of such facilities.

DEVELOP TEXAS IRON ORE.

Extensive Plans Considered Including Furnaces—Outlet for Western Maryland's Coal.

Plans are under consideration for the extensive development of large iron-ore fields in the northeastern part of Texas to reach which, as previously reported in the MANUFACTURERS' RECORD, the Santa Fe system contemplates building a branch from Longview northward, which would afford a line of about 280 miles to tide-water on the Gulf of Mexico. This great field of ore, which is reported to contain, according to analysis, 56 per cent. of metallic iron, with a total estimated bulk of from 50,000,000 to 250,000,000 tons, is owned (according to information received) by L. P. Featherstone, president of the Gulf & Interstate Railway, which is now a Santa Fe road. R. M. Dickman of Chicago, a mining engineer, is preparing a report on the property, which will be submitted to the interested parties, including President E. P. Ripley of the Santa Fe system. It may be that C. M. Schwab, president of the Bethlehem Steel Co., is also concerned, for he visited and examined the ore fields, as reported several months ago.

While no decision has been reached, it is understood, as to the exact plans which will be adopted for the development of this big proposition, among the things which have been discussed is the building at first of a 300-ton furnace to smelt the ore, with possibly steel works to handle the pig-iron produced. It would not be a Bessemer plant, but a basic proposition. The coal needed would, perhaps, be sent from mines on the Western Maryland Railroad to Baltimore; thence by vessels to Galveston or some port adjacent to reach the ore. All

the coal so carried would not, however, be devoted to smelting iron, but would be marketed for general use, the vessels carrying coal one way and either iron ore or the manufactured products thereof on the return trip.

The Texas City Transportation Co. of Texas City, on Galveston Bay, is already building or is about to erect a large coal-handling plant to take care of fuel shipments on the water-front, and that company is reported to have made contracts for large coal shipments with the Western Maryland Railroad Co., which owns immense coal fields in West Virginia and is steadily increasing the output of its mines.

It may be that no attempt will immediately be made to build a furnace at or near these Texas ore beds, but that the ore will be taken by rail to the Gulf and shipped by water to furnaces in the East, perhaps those of the Maryland Steel Co. at Sparrows Point, Md., or those of the Bethlehem Steel Co. at Bethlehem, Pa., while the coal taken to Texas would be disposed of either in the general market or by contract to large consumers in that and adjacent States.

President Featherstone, with Wesley Merritt, industrial commissioner of the Santa Fe, and Engineer Dickman were recently in Baltimore conferring with an officer of the Western Maryland with relation to some of the things which might be developed. Nothing has been concluded, and the outcome of the iron-ore plans may not be definitely settled for at least a month or two. When that is done about a year would probably be required for the Santa Fe to construct the branch railroad northward out of Longview, and after it is completed much more time would be necessary to get machinery and working forces located for getting out the ore. In other words, maybe two years would elapse before the enterprise is in working trim. Meanwhile the Western Maryland people are going ahead with their efforts to develop trade in the South and Southwest for the output of their coal mines, and some important results are expected.

Coal Mining Consolidation.

[Special Cor. Manufacturers' Record.]

Louisville, Ky., January 24.

A consolidation of four of the largest coal mining operations in the Western Kentucky field will be followed by new developments on a large scale. Last week the properties of the Wickliff Coal Co., at Browder; the Elk Valley and Diamond companies, at Elk Valley, and the Drakesboro Coal & Coke Co., at Drakesboro, were taken over by the Elk Valley Consolidated Coal Co., which was incorporated with a capital stock of \$1,500,000. The properties are located in Muhlenburg county.

The Elk Valley Corporation is composed of some of the largest operators in the South, including C. D. M. Greer, Thomas B. Caldwell and Edward Manigan of Memphis; ex-Governor Benton McMillan of Nashville; Andrew Hogg, a Muhlenburg county coal operator, and Carroll Curry, president of the First National Bank of Monongahela, W. Va. The properties taken over embrace 13,500 partly developed acres, tapped by the Louisville & Nashville Railroad, and bordering Green River, a navigable stream.

Plans are now being prepared by the new company for vast improvements, which will increase the capacity of the mines already in operation from 2500 tons, the present production, to 5000 tons. New operations will also be installed, and the company will install a large line to operate Green River and reach Ohio River points of consumption. The mines now in operation are well bunched, being within a radius of three miles, and a trolley line will be extended to reach all four opera-

tions. A central power-house will be established at Drakesboro, in the center of the field. The mines are already equipped with electric mining apparatus.

The property taken over by the merger of interests is underlaid by several veins of workable coal, averaging six feet in thickness. The sinking of new shafts is planned, as well as the building of 50 to 100 additional houses at the various mining camps.

Officials of the company were in this city last week in conference with railroad officials. They state that the new developments will begin at once, and improvements pushed to speedy completion.

W. B. HUNSON.

DRAINAGE IN ARKANSAS.

Chairman B. F. Yoakum's Deep Interest in the Subject.

Chairman B. F. Yoakum of the St. Louis & San Francisco Railroad Co. is deeply interested in everything bearing upon reclamation of wet lands in the Mississippi Valley. In a letter to THE MANUFACTURERS' RECORD, he writes:

"I want to thank you for giving such good notice to my letter of December 13 to Mr. G. A. Cole, president of the Farmers' Union of Arkansas, which placed the subject before the large circulation which THE MANUFACTURERS' RECORD reaches. I am following this up in every way I can, and am beginning to see good results. I enclose you copy of telegram I sent today to Mr. Cole on the subject."

The telegram is as follows:

"New York, January 25, 1910.

"G. A. Cole, President Farmers' Union, Fayetteville, Ark.:

"Am glad to know that Governor Donaghey has called a State drainage meeting February 9. Hope it will be attended by men who are thinking along lines that will lead to substantial development. The fact that there is throughout the country today a strong protest against the steadily increasing price of food emphasizes the importance of Arkansas' efforts to bring under cultivation its 6,000,000 acres of rich but idle lands, that can be made vastly productive. Your proposed development would not only be valuable to the people of Arkansas, but to the people of the entire nation, whose demand for food is increasing annually faster than the supply. It is such work as Governor Donaghey proposes that must be relied upon to restore conditions which legislation cannot correct. It is unfortunate when hunger is called upon to make prices, and any results accomplished by such methods will be only temporary. The farmers want steady markets and good eaters at fair prices. If I could accept your invitation to be present at the drainage meeting I would suggest that representatives from the agricultural and commercial interests visit Washington with a concrete plan for co-operation of the State of Arkansas and the Federal Government with a view of getting the work of draining the rich productive valleys of your State under way as early as possible.

"B. F. YOAKUM."

To Build Molasses Refinery.

Messrs. Penick & Ford, Ltd., New Orleans, will build another molasses refinery to replace their present plant. They contemplate erecting three mill construction buildings, about 300 feet long, at a cost of \$100,000, and will use their present machinery with the addition of boilers, refrigerating plant, tanks, etc., and possibly an equipment for manufacturing the tin cans in which they pack molasses. Messrs. Favrot & Livaudais, Abraham Building, New Orleans, are the architects in charge.

Woodworking at Brevard.

[Special Cor. Manufacturers' Record.]

Brevard, N. C., January 20.

C. M. Doyle, in behalf of the New York & North Carolina Land & Lumber Co., has asked the Retail Merchants' Association of Brevard, N. C., to donate 10 acres of land as a site for a furniture factory. The company is buying 20 acres more land adjoining. It expects to erect a furniture factory, woodworking plant and several other kindred plants. It proposes to employ from 100 to 200 men within two years. Electric power will be used. This power is generated on Little River and brought to town by the Cascade Power Co., which offers power at \$20 per day and \$18 per night horse-power. It is also rumored that the Southern Stock & Farming Co., of which Mr. Doyle is general manager, is about to erect a hand-made furniture factory.

Clinchfield Portland Cement Corporation.

The Clinchfield Portland Cement Corporation has been organized to build the plant (announced last week) in which Mark W. Potter and associates are interested. It will erect buildings of concrete and steel, equipped with machinery for a daily output of 3000 barrels of cement, and expects to be ready for manufacturing by next January. The plant will be at Kingsport, Tenn., and the general offices are at Nazareth, Pa. John A. Miller of Nazareth is president and engineer in charge; Mark W. Potter (chairman of the Carolina, Clinchfield & Ohio Railway), 24 Broad street, New York, is vice-president, and S. Henry Harrison of Nazareth is general manager. The capital stock will probably be \$900,000.

Has Selected Tennessee Marble.

It is announced that the St. Louis Public Library will have its interior finished with Tennessee pink marble. Contract for this interior finish has been awarded to the Fenton Construction Co. of Knoxville. Referring to this contract, Geo. L. Fenton of the company is quoted as follows:

"Yes, we have closed the contract for the finishing of the interior of the public library building of St. Louis, Mo. From the designs which were furnished our firm this will be one of the handsomest buildings in the country. We will finish the interior of the building with Tennessee pink marble, and we are now at work getting out the marble so that there will be no delay on the same. The contract on the building will amount to \$100,000."

To Store 500,000 Bales of Cotton.

Messrs. Samuel W. Weis, 817 Gravier street, and Joseph A. Airey of New Orleans have not as yet matured plans for their recently announced warehouse proposition. They contemplate the organization of a corporation capitalized at \$2,000,000 for building a warehouse system to have an ultimate capacity of 500,000 bales of cotton. Options have been secured at about \$100,000 on 175 acres of land, fronting 2500 feet on the Mississippi River and extending to Lake Pontchartrain. It is understood that the Selden-Breck Construction Co., Fullerton Building, St. Louis, will prepare plans and specifications for the plant.

Trip to Panama.

Regarding plans of the Board of Trade of Little Rock, Ark., Col. William L. Sibert, writing from Gatun to Secretary George R. Brown of the Board of Trade, says that the time selected for the trip, February or March, is the best of the year, and that the best route for the organization to the Isthmus is by way of New Orleans, whence there is a sailing every Saturday at noon.

Southern Bankers Tell Of Farmers' Prosperity.

[Written for the Manufacturers' Record.]

One of the clearest and most comprehensive surveys of the condition of farmers in the fourteen Southern States and in Oklahoma and Missouri ever presented is given in the following eight pages of brief letters from bankers, mainly in county seats of those States. It is a survey of abounding prosperity. In close touch with agricultural communities and vitally interested in all that concerns their welfare, the bankers are in an excellent position to measure things as they are. A sure index is the amount of deposits belonging to the farmers in the banks. Throughout the South generally there has been a marked increase of money to the credit of farmers in the banks during the past few years. For example, in one West Virginia city the deposits have increased in ten years from \$225,000 in two banks to \$750,000 in three banks. They are 50 per cent. greater at Charlotte, N. C., than they were five years ago, and about 20 per cent. greater at points in Missouri. A Mississippi banker notes that the betterment in this respect has come to small farmers particularly. Danville, Ky., reports the largest deposits in the history of the five banks of the county; the Virginia Peninsula about three times what they were 15 years ago.

At some points the increased cost of living and a part failure of the feed crops have checked the tendency to an increase in deposits, but at other points the very fact of higher prices has more than compensated the farmers for the shortage due to drouth or other causes. Another cultivator of deposits is the increasing tendency of farmers to "live at home," as voluntarily in a realization of the uncertainty of single-crop methods, or through the species of compulsion on account of the bollweevil in Texas and Louisiana, especially, they have entered upon a period of diversification.

The prosperity of Southern farmers is shown, however, in other ways, promising even greater things for the future. Old debts have been paid off, mortgages have been lifted, and former debtors are now creditors. Sometimes, under the spur of retail merchants insisting upon a cash basis of trade, they are becoming more economical and more careful about machinery and implements. Those with a surplus are investing in other lands, in finer grades of stock, in new houses and barns, in improved machinery, in more mules, in wire fencing, in clearing new lands, in local building associations or in county bonds. There is comparatively little unwise speculation, save here and there, as in West Virginia, where some of the money derived from the sale of coal lands or from the granting of oil and gas privileges is not only sending farmers to town, but making victims of "gold-mining stocks"; or in Tennessee and Oklahoma, where the run at some points seems to be toward doubtful life insurance and fire insurance schemes; or in Georgia, where cotton futures seem to have some slight call.

Permanent investments in land have meantime increased in value, according to location or other circumstances, and they range from 15 per cent. in Kentucky and 25 per cent. in South Carolina, to 50 per cent. in portions of Missouri, where wet lands have been reclaimed, and from 100 to 300 per cent. in portions of Arkansas and Texas. Better roads and better schools, convenient telephone communication and more intelligent farming have contributed to this end; but another factor has been the trend of immigration

from other parts of the country, most notably in Texas and Florida, but also having some effect in the trucking regions of Maryland and the Carolinas, in Virginia, Louisiana, Arkansas, Georgia, Alabama, Tennessee, Mississippi, and, of course, Oklahoma, with its virgin soils.

Taken as a whole, the situation is most satisfactory to every man interested in the welfare of the South. The danger in the situation is suggested in the following from a leading Georgia banker:

"I am only afraid that the wave of prosperity which has struck the South will cause a reckless spirit to abound and make our people undertake more than they can safely manage. Unusual prosperity isn't best for any section, unless it continues long enough for the people to accustom themselves to it and to learn how to regulate their business affairs in the midst of good times. If the farmers of Georgia and the South will only keep their heads and be conservative in these prosperous times, not buying too much land or planting too much cotton, and if the merchants will not undertake to sell too many goods on credit and buy too much on time, I see nothing in the way of our having the best times in Georgia and the South that we have had in ten years."

The letters follow:

ALABAMA.

Birmingham.

W. P. G. Harding, president First National Bank, Birmingham, Ala.:

"I regard the present business and financial outlook as sound and promising. The farmers and merchants are generally in good condition. Real estate values in cities are firm, and values of farm and mineral lands show an advancing tendency. No unusual influx of settlers or investors is apparent yet, but a considerable movement in this direction is anticipated in the spring. There is more continued cold weather this winter than usual."

Decatur.

First National Bank, Decatur, Ala.:

"General financial conditions look better than for several years. Farm lands have increased in value within the last year 25 per cent. We frequently have new settlers and investors locating in this vicinity. The extensive Louisville & Nashville Railroad shops are running on full time, employing a large force, and the American Tanning Co. has recently resumed operations. The only drawback to farmers is the scarcity of fine stuff and the exorbitant high price for mules and all farm supplies."

Talladega.

J. C. Bowie, vice-president Talladega National Bank, Talladega, Ala.:

"High prices for cotton more than offset the shortness in the cotton and corn crop in this section. More intelligent farming, better roads and schools and free telephone communications are greatly adding to farm values. Mercantile interests are improving. Settlers from other sections are locating here, but not in great numbers. Our manufacturing industries, principally in cotton yarns, are doing well. The ability of this soil to produce so many of the essentials in good quantities is sure to attract desirable settlers. Altogether, the outlook is quite attractive."

Mobile.

City Bank & Trust Co., Mobile, Ala.:

"Business and financial conditions generally are showing noticeable improvement. Merchants report business better and conditions good. Manufacturing in-

terests have practically gotten back to normal. The lumber business is improving, and prices have shown a steady advance for the past six months. Farm and real estate values are better, and there is more inquiry at increasing values. A large number of investors are buying country lands in Mobile and Baldwin county, adjoining us. Large plantings in fruits, oranges and grapes and other semi-tropical products. This city's financial condition is the best since the war."

ARKANSAS.

Benton.

E. S. Rodman, cashier First National Bank, Benton, Ark.:

"The farmers in this immediate vicinity, as a rule, are in debt less than ever before, and the business outlook for the coming year is good. We have a good, steady growth here, and the value of farms is increasing each year."

Berryville.

D. J. West, vice-president Carroll County Bank, Berryville, Ark.:

"On account of the resources of this country being opened up by the building of the Missouri & North Arkansas Railroad and the immigration from other States, the deposits of the farmers in this county are at least ten times what they were 15 years ago, and at least twice what they were five years ago. The value of farm lands has about doubled in the last 20 years, and there is more demand for land now and at better price than ever before."

Little Rock.

Chas. McKee, vice-president State National Bank, Little Rock, Ark.:

"The financial condition of the farmers in the vicinity of Little Rock is probably better than at any time in the past. A short crop of cotton was made up to the farmers in the high price. The deposits by farmers in local banks have been on the increase for many years, and we should say that the bank deposits of farmers have doubled during the past five years. The outlook for all kinds of business for this year is good."

"During the past six years there has been some disposition in this section to make investments in wild-cat enterprises both in and outside of the South. However, we believe this is at an end."

"The value of farm lands in Arkansas has materially increased, and the price of good lands has steadily advanced. Arkansas lands in general have been very, very low, and are still, compared with similar lands of other States. A large amount of money has been invested in Arkansas lands during the past year, especially in rice and timber lands. Settlers are looking this way. The steady growth and improvement of our cities, farms, manufactories and mines is most gratifying to the business men of this State."

Marianna.

W. P. Weld, cashier Lee County Bank, Marianna, Ark.:

"The farmers in our vicinity are in much better condition than in former years, their deposits in local banks running at least 50 to 75 per cent. larger than some few years ago. The general business outlook is fair, the surplus money from cotton and other crops being used in local developments rather than enterprises outside of the county and State. Values of farm lands have increased in the last five years from 100 to 300 per cent., and settlers are beginning to come from the Northern States, especially from Illinois and Indiana, and are investing heavily in real estate in this section. We have in this (Lee) county thousands of acres of very fine timber growing upon the alluvial Mississippi and

St. Francis River bottom lands, while west of Marianna, the county-seat, some 10 or 12 miles, begins the wonderful new rice development of this country. Would pay you to give special attention to the rice industry, and if you desire I can have an article prepared by perfectly reliable parties which will open the eyes of the people in the older section of the country as to the immense possibilities of this business."

Paris.

W. R. Cherry, cashier Bank of Paris, Paris, Ark.:

"In the main the country is prosperous, yet there are a great many shiftless people who are hard pressed, and the very high cost of living is sorely felt by this class, while individual farmers are growing wealthier and they are accumulating some little surplus of money, and the banks hold better deposits than was held a few years ago. This is due to two causes—the increase of surplus cash and the more general use of banks. There has been an upward tendency in both real estate and livestock of every description. There is a slow, steady growth in population, but nothing spasmodic. There is no surplus of cash to be diverted into wild-cat investments, as there is good demand at fair rates at home. This is purely an agricultural country, and the thrifty, industrious farmer is doing well."

Pine Bluff.

M. E. Bloom, cashier the Citizens' Bank, Pine Bluff, Ark.:

"The financial condition of the farmers in this section is more healthy than in several years past. Our section practically produces nothing but cotton, and the short production in the cotton States, resulting in the high price of the product, and the producers taking advantage and selling on the high market reaped the benefit at the right time. The general business outlook, as well as industrial, is very flattering indeed. Our city is improving in the way of better buildings, and the condition of our local merchants is above the average. Farm lands in this section are in demand at good prices, and there have been some good sales recently. The cotton land, producing from three-fourths to a bale per acre, lying in districts above overflows sells readily for \$50 to \$75 per acre. I am not advised in reference to any new settlers coming into this section recently."

Sheridan.

Phil T. Lewis, cashier Grant County Bank, Sheridan, Ark.:

"Grant county is comparatively a timber county, though being settled with a few farmers at almost all parts of it. The farmers, taking them as a class, are cotton and corn raisers, occasionally varying toward live-stock, and their financial condition is better than at any former time, a great number of them being able to take care of themselves with their own resources. Our bank is carrying the account of quite a number of farmers, and their balances the past two years have shown material increases, and it is conservative to say that their bank balances in comparison with five years ago exceed themselves by 50 per cent., and their home comforts show a decided improvement. They seem to feel good, and very few have the moving fever. We are beginning to sell farms to out of State settlers, and in course of a short time hope to be able to interest more with the cut-over timber lands, lots of which will make good farms, and can be bought at reasonable prices."

Warren.

S. B. Meek, president Warren Bank, Warren, Ark.:

"The financial condition of farmers is much better than for a few years back, and are less in debt. Would say between

25 and 50 per cent. better than five years ago. Farm lands have improved in value, and surplus money is being invested in lands. Lands have increased at least 50 per cent., and we still have the cheapest land under the sun."

FLORIDA.

Ocala.

Z. C. Chambliss, vice-president the Monroe & Chambliss Bank, Ocala, Fla.:

"The farmers in this section are in better condition than they were five years ago, and are doing more business with local banks, although their deposits now are not so large as they were during the early part of 1907. Business is brisk, though there is but little cotton raised in this section. There has been a substantial increase in the value of all classes of lands during the past 12 months, approximating perhaps 75 to 100 per cent.

"Swarms of settlers and investors are coming into this immediate section, principally on account of the sensational advertising of some Chicago and Fort Wayne land-booming companies. We think that a great many of these people will be disappointed, but that a great many really substantial citizens will be gained. Many of the people coming seem to have believed everything which they have seen covering all extremes of crops and productions, taking the extremes as an average. They think coconuts and corn grow on the same land at the same time, whereas one is produced in the extreme southern end of the State and the other in the central and northern, which are perhaps 500 miles apart. We have all kinds of soil and climate, and there are many very fine opportunities here, and we are encouraging that class of people who want to come among us to do things, and not expect to find money growing on trees."

Perry.

W. L. Weaver, cashier First National Bank, Perry, Fla.:

"The farmers are in a fairly prosperous condition in this county. They met their obligations more promptly during the past fall than they have in the history of our institution. We have only a small number of farmers in our county, but what few we have who try are doing well and have money in the banks. They are using their surplus money in improving their farms, putting up wire fencing in place of the old rail fences and building good comfortable homes, etc.

"This county is almost a solid belt of round yellow pine timber that is just beginning to be manufactured, and there is but very little land open to cultivation. There are no new settlers or investors in farm lands coming into this vicinity at present, but we think it due to a lack of advertising the value of the farm lands here and the fact that so little of it is open for cultivation. There has been an advance in farm lands within the past 12 months of at least 25 per cent."

Marianna.

W. H. Milton, president the First National Bank, Marianna, Fla.:

"The farmers of this vicinity are in better condition than they have been in the past two or three years, still crops were comparatively short in 1909, but the increased price of cotton more than offset the smallness of the crop. There are more farmers carrying deposits in banks than there were five years ago. I have not had time to examine the matter sufficiently to give the percentage of increase. The general business and industrial outlook is much better than it has been for some time. I do not think that the farmers will take much stock in speculation enterprises.

"Land values have increased considerably more than 10 per cent. within the last

year. There are new settlers coming in from other sections. In this part of the State they are coming principally from Georgia and Alabama, though we receive quite a number of letters in regard to land from people in the Northern and Western States, and I think some few sales are being made to them. This portion of Florida is strictly an agricultural, timber and turpentine section, and this county's principal money crop is cotton. This is not generally known among prospective immigrants from Northern States, and usually those who write about land are prospective fruit-growers, and for this reason I think the immigration to Western Florida is less than it should be, as most of the farmers, i. e., of staple farm crops, usually write to other parts of the South, and farm lands here, which are really as fertile and sell at a less price, are principally known only to immigrants from nearby States like Georgia and Alabama, and a great many of them are buying lands in this section and moving on them."

St. Augustine.

G. B. Lamar, vice-president and cashier the First National Bank, St. Augustine, Fla.:

"In our immediate vicinity (that is, St. Johns county, the business of which section is tributary to this town) the financial condition of the farmers is much improved over last year. The Irish potato crop, which is the principal staple raised for the market, was bountiful and sold at excellent prices. The result has been a considerable increase in the acreage, which will amount to possibly in this county and the adjoining county 50 per cent. This and the exploitation of farming lands throughout the county, which epidemic has reached us some months since, has given inflated value to all lands the least desirable for farming operations.

"On the other hand, the surplus from the result of last year's crop has been used almost altogether in the betterment of their original holdings or in acquiring additional desirable land.

"In our immediate vicinity there has been a similar influx of new farmers of a very desirable type, and in territory somewhat beyond what we consider our immediate province many thousands of acres have been sold at prices far exceeding their present legitimate value to persons reputed to be desirable and who intend to make this section their home. The general conditions in this city are healthy and the outlook promising."

GEORGIA.

Jesup.

D. M. Parker, cashier Jesup Banking Co., Jesup, Ga.:

"The financial condition of the farmers in this section has not been better in years, if ever, than at the present time. The good prices received for their cotton has made the majority of them independent. They have harvested good crops of corn, hay, etc., and have considerable meat stored away or ready to kill. The deposits of the two banks here have never in their history recorded as much on deposit as at this time. They have at least 25 per cent. more than they have ever shown before.

"The outlook for the coming year is very good. The farmers are raising more horses, but are buying more mules than in several years. They are using their money on farm improvements in the way of wire fences, new buggies and wagons, up-to-date farming implements, better cattle, clearing new lands, etc. Lands have more than doubled in price in the last 10 years, and within the last 12 months there has been a tendency to higher prices, we should say from 10 to 20 per cent. A few new settlers are coming in, and desirable

ones are wanted. Lands easy to clear and cultivate, and produce good crops first year under cultivation. Large tracts are for sale at reasonable prices."

La Grange.

J. E. Dunson, president the La Grange Banking & Trust Co., La Grange, Ga.:

"The farmers of our community are in better condition as an average than for several years. While some of them are yet in debt by reason of the fact the crop was very spotted, taken as a whole, their condition is much improved. They are carrying at least 100 per cent. more deposits than at the same period five years ago.

"As to the general outlook, it is fairly good. The high price of food products and the failure to a certain extent of feed crops will necessitate an investment of a large part of the surplus in that direction, but as to wild-cat schemes, I think the time has passed when the conservative farmers of the South can be led off with such scheme. There has been an advance of farm lands from 25 to 100 per cent.; an average of 33 1/3 to 40 per cent. would appear to be about right. There are no investors or settlers coming into our section from elsewhere at present. Taken as a whole, conditions are satisfactory, and if the price of cotton continues remunerative as at present, farm lands will continue to increase and every department of business as well."

Sandersville.

Banking house of Louis Cohen, Sandersville, Ga.:

"Financial conditions of our farmers are a shade better, and in better condition, not as much in debt. Deposits compared with average five years is more than double.

"Business outlook seems good for banks; as to industrial outlook, have nothing of the kind in our county worth mentioning. What surplus money the farmers have will be used almost exclusively on their farms. Fortunately, we have no farmers investing in wild-cat or speculative ventures.

"Our farm lands in this county have materially advanced in price per acre. Would consider the advance within the past 12 months to be fully 25 per cent."

Savannah.

Mills B. Lane, president the Citizens' and Southern Bank, Savannah, Ga.:

"The farming interest in Georgia is now in better shape than it has been since the war between the States; in fact, it is the first time that the farmers to any great extent have been able to pay up in full and carry balances in bank; of course, there have been exceptions to this, but the bulk of them have been constantly in debt for the past 45 years.

"All lines of business seem to be prosperous, and the money derived from cotton and other crops seems to be used in investing in local securities and developing farm properties, and not invested in 'wild-cat' enterprises outside of the South. There are, however, a few cases where parties are speculating in cotton futures, and, of course, they will meet the usual result."

Quitman.

The Bank of Quitman, Quitman, Ga.:

"The financial condition of the farmers in Brooks county is very good. While some may owe money, others have substantial deposit accounts, and most of the obligations are for current necessities, and are retired in the early fall. We cannot give you any near estimate of the increase in deposits in five years of the farmers' accounts, as we do not separate them by occupation, but the debts are greatly reduced and deposits increased very much during that time. I think a safe estimate for the past five years in the financial improve-

ment in the farmers' conditions is 35 to 50 per cent.

"The business outlook is good. Farmers, as a rule, do not invest in securities or take stock in 'wild-cat' enterprises. They buy more land, and still more land. Some of them, of course, take stock in local institutions—banks, cotton mills, etc., where they know the people who are to operate them, but the great bulk of their savings go back in land, stock and improvements. Farm lands are higher—from 10 to 15 per cent. on average.

"Some settlers are moving in here from North Georgia and buying small farms. The lands are cheaper, more easily cultivated, and thus more profitable. The newcomers are welcomed, and we have room for a great many more good substantial farmers in this section."

Sparta.

John D. Walker, president and financial agent Walker Banks, Sparta, Ga.:

"The financial condition of the farmers in this vicinity is first-class on the whole. They are less in debt than in former years, and, in fact, some farmers have paid out of debt this fall who have been trying to get out for four or five years. They are carrying their surplus funds in local banks, and their deposits, in my opinion, are at least 50 per cent. better than five years ago.

"The general business and industrial outlook is very favorable, and I am only afraid that the wave of prosperity which has struck the South will cause a reckless spirit to abound and make our people undertake more than they can safely manage. Unusual prosperity isn't best for any section unless it continues long enough for the people to accustom themselves to it and to learn how to regulate their business affairs in the midst of good times. If the farmers of Georgia and the South will only keep their heads and be conservative in the midst of these prosperous times, and not buy too much land or plant too much cotton, and the merchants will not undertake to sell too many goods on credit and buy too much on time, I see nothing in the way of our having the best times in Georgia and the South that we have had in 10 years.

"The effect of high-priced cotton in this section is to enhance the value of land, for whenever money is plentiful land values go up. More land has been sold this fall in this vicinity than in several years.

"In a general way, I should say that our people were never in better shape nor the future brighter with hope than at the present time."

Summerville.

N. K. Bitting, cashier Bank of Commerce, Summerville, Ga.:

"Notwithstanding our having had a severe hailstorm in this county in November, which proved very disastrous to our cotton crop, our farmers are less in debt than for years; deposits from farmers are larger than at any previous time.

"Business outlook is very promising. Our farmers do not speculate in any sense, but are using their money to improve their farms, both in buildings and fertilizers. Prices of farm lands have advanced about 10 per cent. within the past 12 months. The increase has been brought about largely by recent business improvement. Within the past two or three years we have had quite a number of settlers from other sections, principally Ohio, Illinois, Texas and the West."

Valdosta.

J. F. Lewis, president the Citizens' Bank of Valdosta, Valdosta, Ga.:

"The farmers in our section are in better financial condition this year and less in debt than in former years. Their deposits are fully as much or more than ever before. The industrial outlook is better

than ever before. Their surplus money, however, is being used to improve homes and for development work. Farm lands have advanced in value from 25 to 50 per cent. Some few settlers and visitors have come to our section."

KENTUCKY.

Danville.

J. A. Quisenberry, cashier the Citizens' National Bank, Danville, Ky.:

"The financial condition of the farmers of this section is better than it has ever before been. High price of tobacco and farm products and live-stock have put them in fine fix. On January 1, 1910, there was on deposit in the five banks in this county \$1,245,691.46, and of this amount there was on that date in the three banks in this city \$1,095,691.46. This is the largest deposits the banks have ever had in their entire history. As a result, the farmers are less in debt than ever before, and their financial condition, as a rule, is good.

"The general business and industrial outlook is good, especially if we can get some legislation through our present Legislature upon the matter of methods of taxation, whereby capital will be invited to come into our State, instead of being driven out, as it has been for some years past. The surplus money from the crops will be invested in other lands, stock and improvements, partially, and some of it will doubtless go into questionable investments. This section of our State is almost entirely agricultural, and too little of a manufacturing section, consequently we do not have that avenue for investment of capital.

"Lands in this section have advanced a good deal, say perhaps 15 per cent. in the past year. We have a steady demand for good lands, but the buyers, as a rule, are not from the outside of the State, but come from our mountain sections, where they have sold mineral lands and want to invest in better farming lands than the mountains afford. In the past 18 months we have had a considerable increase in our population, largely due to the fact that the C. N. O. & T. P. R. R. Co. (now operated by the Southern Railway) has made this city an end of its first division out of Cincinnati, and the further fact that this community has this year developed into quite a large loose-leaf tobacco market. This has stimulated the growth of tobacco, and we look for about 100 per cent. increase in the acreage for the coming season of 1910."

Clinton.

C. V. Heaslet, cashier the First National Bank, Clinton, Ky.:

"An intimate connection during the past eight years I have been in the banking business in this (Hickman) county leads me to say that the financial conditions are very much better at the beginning of this year than at any time for the past eight years in this, a truly agricultural county. There has been made just a beginning of the intensive methods of farming, and the idea is spreading and spreading as the success of it is noted by the surrounding neighbors. Crop rotation is being more carefully and systematically done, and grain crops are being used for feeding live-stock upon the lands, producing the grain to an extent never known before.

"Again, in the retail business done by merchants the cash system is rapidly being adopted, and is a very potent factor in preventing the purchase of articles not necessary, and is causing the people to take reasonable care of machinery that formerly was left in the open weather when crops were harvested, as frequently, under former conditions, the owner of this or that piece of machinery would be

struggling to pay notes executed for the purchase price long after the machine had been thrown in the scrap heap.

"Our people are more generally doing a banking business than in the years past, and there is an independence and satisfaction felt by a man with money in the bank not known to the individual without it.

"The price of farming lands has advanced something like 25 per cent. upon land within reach of speedy marketing in the past six or seven years, and while there has been no marked immigration into this section, yet many farmers have, one by one, found better lands here at cheaper prices than in their former homes, and in that way have assisted in bringing in advanced methods of agriculture as practiced in sections of high-priced lands.

"There is a spirit of optimism prevailing here, and the dawn of still greater activity and prosperity is breaking. Education of the youth to present higher standards will fit them for that better appreciation of the natural resources and advantages so lavishly distributed over this western portion of Kentucky, widely known as the 'Penny-rile' district of Kentucky."

LOUISIANA.

New Orleans.

Sol Wexler, vice-president Whitney-Central National Bank, New Orleans, La.:

"The financial condition of the farmers of this vicinity is, in my opinion, better than it has been for a great many years. Not only has their credit been restricted in order to enforce a more general diversification of crops, but there has been a general disposition on the part of farmers to live more nearly at home and to use their credit to a lesser extent. The best evidence that they have a large surplus of cash is the fact that local banks in this vicinity have larger balances in the hands of their depositaries than at any time during the past five years.

"The general business and industrial outlook is unusually promising. I believe that the funds will remain in this section of the country, and will be kept more or less in liquid form rather than for investment or development work of any kind, either here or elsewhere.

"There is a growing increase in immigration into this section of the country and considerable inquiries for farm lands coming from Western farmers, and I believe that our farming lands at the present time are probably selling at the lowest price we shall see them for many years to come. There has not been an advance in the last 12 months, but rather a decline, owing to the prevalence of the pest known as 'boll-weevil,' and during the interim, in which a general change of farming methods will take place, there has been a process of elimination of such farmers as are unable to adjust themselves to more general diversification of crops and new conditions."

Shreveport.

P. Youree, president Commercial National Bank of Shreveport, Shreveport, La.:

"The financial conditions of the farmers in our vicinity is much better than they have been for the past two or three years. They are less in debt and have more surplus than they have had in some time; the deposits compare favorably with five years ago; in fact, are much better than they were five years ago.

"The general business and industrial outlook in this vicinity is good. I do not think there will be any surplus money invested other than locally here. There has been some speculative or 'wild-cat' en-

terprises this year in way of cotton futures, but this was confined to the people who gamble in that way every year.

"While the boll-weevil has affected the value of farm lands in this section of the country, yet the improvement and the betterment of farm conditions is very great. There has been no advance in the value of farm lands during the past year.

"We have a few settlers and investors from other sections of the country coming into this immediate section the past year. That seems to be the trouble with this part of the country. If we could get immigrants of good Swede or German stock or Illinois farmers, we think this would be the greatest country on earth. When you consider that we can raise everything that is raised on lands, and the South has the monopoly on the cotton crop, and the State of Louisiana furnishes about 80 per cent. of the sulphur of the world, with inexhaustible salt mines and more virgin timber than any other State, and more alluvial land than any State; that more corn and as much alfalfa can be raised here than in any section of the United States, then you cannot but recommend people to move to this country. I am pleased indeed to answer your questions."

Winnfield.

H. T. Pye, president Bank of Winnfield, Winnfield, La.:

"The financial condition of the farmers here is good. Very few in debt, and at least 95 per cent. carry bank accounts, compared with about 25 per cent. five years ago. General business outlook is good; very little local capital invested outside immediate territory. Immigrants are beginning to settle on the cut-over lands, and more attention being given diversified farming."

MARYLAND.

Annapolis.

J. Wirt Randall, president the Farmers' National Bank, Annapolis, Md.:

"In response to your circular of inquiry I will briefly state the situation in this portion of Maryland—Anne Arundel county. The farmers have not had a good year in 1909; the drought was general, and most pronounced through the later summer and the autumn. The upper half of our county is given up almost exclusively to raising fruit and vegetables for market, and the drought was particularly severe upon them. What was raised, however, particularly in the way of grain, hay, etc., commanded good prices, and some made unusually large profits. The deposits in our local banks compare very favorably with prior years, and emphatically so compared with the period of five years ago. This increase is particularly in the savings banks and savings departments of the other banks, indicating a more general habit of saving than ever before.

"The city of Annapolis itself is steadily improving in development of all kinds, and is experiencing a boom as a 'residential city.' Since the final settlement of the question whether the Naval Academy will be permanently located in Annapolis many people connected with the navy, officers and employes, have been making it their fixed home. The electrifying of the railroads between Baltimore and Washington and Annapolis has also given a stimulus to subdivisions of farms and the building up of suburban residences near the lines of these roads. Water-front property is being appreciated as never before in this section, and values have been going up by leaps and bounds. For the past five or six years very many handsome residences and attractive villas have been building along the Severn and other rivers, and the Bay fronts of Anne Arundel county, and land companies and development companies are

being formed constantly to buy up and subdivide such properties. The result is very favorable to the business and industrial outlook of this part of the State, as many settlers and men of means from other sections are coming into it.

"The northerly portion of the county, between Annapolis and Baltimore, and the westerly portion, along the line of the Washington, Baltimore & Annapolis electric road, are receiving many foreigners, who are buying up small tracts of land and illustrating the advantages of 'intensive cultivation.' They are largely from Eastern Europe—Hungarians, Bohemians, Lithuanians, Russians, etc.—and seem a very industrious class of people. There are several also from the northwestern portion of the Dominion of Canada, who have become tired of the long winters there prevailing, and have sold out there and bought land in Anne Arundel county. They predict that there will be quite a movement of that sort in the near future."

Oakland.

R. E. Sliger, cashier First National Bank, Oakland, Md.:

"Regarding the general business conditions of our community, I must say that there has been a great improvement in the last few years, and particularly in the case of the farmer. While Garrett is the largest county in the State, it is also the youngest, and not so thickly settled as the older counties. Up to within the last few years it has had many acres of good timber land, nearly every farmer having a portion of his land covered with virgin forest. He has been able to sell this timber for enough to pay his mortgage, if he had one, and to improve the balance of the farm. This also applies to some coal that has been sold, the surface being retained. There is no tendency here to invest the surplus in 'wild-cat' enterprises so far as I know, but it has been put back on the farm in the shape of improvements or deposited in the savings department of the national banks. I should say that their deposits have doubled in the last five years, and in many cases the farms have more than doubled in value. Each farmer is becoming more scientific each year and getting better results from his labor. He is using improved machinery more and more, raising better crops and erecting better buildings. There are a number of cases where investors from other sections have bought land and settled here, and a farmer who is getting up in years sometimes sells his farm and moves into Oakland, the county-seat. There is always a demand for residence property in Oakland, which is a delightful resort the year round and has the reputation of having a summer climate that is unsurpassed. The new State road that is now being built through each county has already increased the value of the land that is near it, and when completed will do a vast amount of good to the whole State. I look for a great improvement in the next two years."

MISSISSIPPI.

Carrollton.

J. R. Bingham, president Bank of Carrollton, Carrollton, Miss.:

"The condition of the farmer in this vicinity is improving somewhat. He is still in debt, as of yore, and still a borrower. Few of them have money on deposit, though their numbers increase steadily, as does the amount. The business and industrial outlook is good and grows better. Local money will be used to develop our natural resources. Our people are not inclined to go abroad for investments, and lack funds if they had the inclination. Price of farm lands has doubled within recent years, but there

has been no change within 12 months. Investors and settlers from other sections do not come here."

Hattiesburg.

F. W. Foote, vice-president First National Bank of Commerce, Hattiesburg, Miss.:

"The financial condition of the farmers of this section is very much better than heretofore. They are less in debt and many of them are out of debt. A great many deposit with the local banks, and such deposits are considerably higher than they were five years ago. Regarding the general outlook, it appears to us that the present year should witness prosperity on the part of the people. The people of this section are more conservative, careful, energetic and economical than heretofore, and they are consequently better managers. The value of farm land has not increased during the past year, but desirable farm land brings a good price—very much more than such land brought a few years ago. There is some immigration to this section, but not a great deal."

Vicksburg.

B. W. Griffith, president First National Bank, Vicksburg, Miss.:

"The general condition of farmers in the territory tributary to this city is much better than for many years. Crops were somewhat short, but they were raised on a more economical plan than usual, and prices were excellent. Almost all farmers—the small farmer particularly—has money to his credit in bank. In consequence, the banks have larger deposits than ever before."

"The outlook is most hopeful. Diversified farming has become the rule instead of the exception, and very few have failed to raise sufficient foodstuffs for the coming year, thus being far more independent than formerly. Their investments are going into home industries only, and in the main such as look to farm improvements."

"Immigration is slow, and that of the best kind—sober, industrious, intelligent and thrifty—is the one and only great need of this part of the country. Our climate and soil offer the best opportunity for such immigrants of any in my knowledge, and land—good land—is now cheaper here than it will ever be again."

MISSOURI.

Centerview.

R. C. Hull, cashier Bank of Centerview, Centerview, Mo.:

"Farmers are less in debt than five years ago, and are carrying probably 20 per cent. more deposits than five years ago. The business outlook is excellent. Most of surplus will be invested at home, placed on deposit with local banks. A small per cent. will get into the wild-cat schemes. Farms and homes have been improved, and land has advanced 15 per cent. in 12 months, 30 per cent. in five years. Investors from other sections probably bought one farm in twenty every year for the last five years. I want to qualify my answer to the first question. Some investors have bought farms at the advance and placed probably larger mortgages on farms than they ever carried before. Of course, that class is more in debt than formerly."

Clayton.

F. J. Hollocher, secretary the Trust Company of St. Louis County, Clayton, Mo.:

"The financial condition of the farmers of this vicinity is good. As a rule, they are not debtors, but are creditors, loaning their surplus funds or buying additional real estate. The deposits are larger than they were five years ago by at least 10 per cent. The general business and industrial outlook appears promising. All surplus

funds from the crops of this vicinity are, as a rule, employed to develop the local territory. The value of farm lands is appreciating along with all other commodities. The advance within the last 12 months in real estate is estimated at least 10 per cent."

Edina.

E. O. Parsons, cashier Knox County Savings Bank, Edina, Mo.:

"The land in this county has doubled in price in the last eight years. The loans on real estate have increased in that time in proportion to the increase of the price of land. The lands that have changed hands the last two years have been between local people. Last year was a very bad crop year in this county, but what the farmers have had to sell is bringing extremely high prices."

"There are lots of money in the banks, but we have a strong demand for loans, and interest is getting higher. In the last statement of the banks last November I noticed the banks had lost about \$50,000 in deposits in this county in the last year. Our home people are beginning to realize that our land is not going to be any cheaper and are getting land hungry. In the last year the good class of land has advanced \$10 per acre, and that by local buyers. The surplus made by the farmers is used to improve or buy more land; when not used for either it is generally loaned out on real estate security."

Kirkville.

E. Conner, assistant cashier the Citizen's National Bank, Kirkville, Mo.:

"The financial condition of the farmers in our section is far in advance of what it was in former years. They are less in debt and are carrying more surplus deposits in local banks—we would think as much as double the amount of five years ago. The general business outlook is fine. We do not think the surplus money in this section will be invested in speculative or visionary schemes. There seems to be more of a sentiment of improving property of all kinds. Farm lands have almost doubled in price here in the last five years. A great many new settlers are coming into this section from Iowa and Illinois, which is largely responsible for the increase of land values. Business in general seems to be very prosperous."

Lamar.

Chas. B. Edwards, cashier First National Bank, Lamar, Mo.:

"Our farmers are in very much better financial condition than for five years. I do not think that there is any material increase in deposits, but many farmers have reduced their mortgages, have their farms better improved and a great deal more stock and other personal property. As this is a farming community, we look for business generally to be good, providing prices hold up."

"I think in this community that what surplus money our people get hold of will be spent in local investments and development work. Farm conditions and improvements are very much better than they were a few years ago, and land has advanced about 25 per cent. We have had quite an immigration from Illinois, Wisconsin and Dakota, most of whom are investing in Barton county land."

Linneus.

W. P. Thorne, cashier Citizens' Bank, Linneus, Mo.:

"The financial condition of the farmers in this locality was never better. A great many farms have been sold in the last few years to men from other States that had but little to pay down on them, but the advance in the land has been on the increase, so most of them could sell with a profit. We are having a good demand for

money. Our deposits have been on the increase for some time, but this is the time of year that they will decrease to some extent. Land has increased from \$15 to \$20 per acre in the last four or five years. I think we have a bright future if money keeps easy. Farm products of all kinds are bringing the best prices they have in years. With good crops and plenty of money this country will bloom like a rose."

Monticello.

G. W. Marchand, secretary Monticello Trust Co., Monticello, Mo.:

"As a general rule the farmers in this county are in a prosperous condition. They have been for the last several years reducing their indebtedness on their farms. The amount of money carried by the banks at the present time is practically double that of five years ago, and as this is a farming community, it therefore means that this increase of deposit is largely due to the surplus money belonging to the farmers. The business outlook is good. Our surplus money will be used on home improvements. Our people are not inclined toward speculation. Farm lands in this community have been on the increase for several years. I do not know that there has been a special increase in the last 12 months, but there has been an increase of from 50 to 100 per cent. in the last three or four years. Very few settlers or investors from other sections are coming in here. Most of the changes made in the ownership of farms has been from local sources."

Perryville.

Thos. L. Phillips, cashier Bank of Perryville, Perryville, Mo.:

"Farmers are doing well, getting on an average 20 per cent. more for stuff this year than last. Investing their funds mostly in farm loans. No new settlers coming into the community. Things as a whole are unusually prosperous among the farmers, but the laborers are not at all satisfied with conditions, and the prices they are securing for their labor."

Poplar Bluff.

N. B. Cook, cashier Bank of Poplar Bluff, Poplar Bluff, Mo.:

"The farmers of this locality are in a much better financial condition than ever before. They have for the past five years given more attention to farming, cleared more land, planted more crops and received better prices for their products. The higher prices has stimulated them to increase the acreage and reduce their indebtedness and live better, while perhaps their cash on hand is but little more. General outlook is good, with prospects for greatly increased agricultural products and industrial output, with a marked tendency toward conservatism in investments. In the lowland districts, where the ditch system is being put in operation, the land has increased 50 per cent. in the last 12 months, and is being bought up rapidly at the increased price by settlers from the North and East, where land is high. What is known as the swamp lands of Southeast Missouri will in a few years be the proverbial 'Garden of Eden.'"

Rock Port.

Dean T. Wyatt, cashier the Bank of Atchison County, Rock Port, Mo.:

"The financial condition of the farmers in this section is better than ever before. The past five years have been years of good crops and good prices for all farm products; consequently the farmers have made plenty of money. This is strictly a corn and cattle-feeding country. We raise large acreage of corn, with little wheat and oats, and, of course, different hay crops. The corn is nearly all fed here in the county to cattle. We are too far north for any cotton-growing. The

bank deposits for the past few years have been steadily increasing and the deposits are practically all farmers' deposits. There has been three new banks organized in the county during five years, and the deposits of the former banks are larger than before their organization."

"Land values have, of course, advanced materially. I would judge there has been an advance of 25 per cent. in five years, and when you consider that our lands sell for \$100 to \$150 per acre, you know that is quite an advance. There is no immigration into this county on account of the high-priced land, all land sold going to people already residing here."

"Taking it altogether, our people are enjoying much prosperity, paying mortgages, and the financial condition of our farmers is splendid."

Rolla.

J. H. Smith, cashier Merchants and Farmers' Bank, Rolla, Mo.:

"The general business conditions in this section are very good. Farmers are enjoying the highest prices for all products known for years. This, together with fairly good crops, has brought many of them 'out of the woods.' More money is being handled than ever before. Demand for loans is strong, but with supply adequate. This has always been a borrowing community, but many farmers are paying off their loans in full or in part. Land values have been steadily increasing for four or five years, and is yet in good demand. Farmers are putting up better buildings. The log house has become scarce. A better grade of stock is being produced. There is but little speculation except in stock, and that can hardly be called such. Quite a number of people are coming in from the Northern States. Prices on food articles are very high, and in some cases almost prohibitive. Labor is scarce and wages high."

Troy.

Charles Martin, president Farmers and Merchants' Savings Bank, Troy, Mo.:

"The financial condition of the farmers of this vicinity is better than it has ever been. They are carrying larger deposits in the local banks than ever before. The surplus money of the farmers is derived from wheat, corn and live-stock. This surplus will not be invested in wild-cat enterprises. Farm lands have advanced in value 25 per cent. in the last two years. Very few investors from other sections."

Valley Park.

R. J. Walters, secretary and treasurer Valley Park Trust Co., Valley Park, Mo.:

"There has been a wonderful improvement in every direction in this section in the last five years. Farmers were never in a better financial condition; their deposits with us have quadrupled during the period mentioned, and where we formerly were able to place our funds out on local farm mortgages, that class of loans is now scarcely to be had, the most of the farmers either being out of debt or they loan among one another at a rate that would not be profitable to us. Land values have increased at least 40 per cent., and the farmer is now enjoying some of the luxuries of life. Their houses, as a rule, are new and modern, and they have telephones, and in some cases have automobiles."

NORTH CAROLINA.

Beaufort.

U. E. Swann, cashier Beaufort Banking & Trust Co., Beaufort, N. C.:

"The financial condition of the farmers in this section is better than it has been for several years. Very few are in debt. Some are about even and some have surplus money in the banks. Our farming resources are not very well developed, but

some improvements have been made during the past few years, which has had the effect of increasing the price of farming lands. The outlook in the trucking business is very bright, as trucking crops can be grown here as early as in Southern Georgia on account of the nearness of the Gulf Stream to our coast. Several settlers have come into our county recently to engage in farming, and as they realize what a garden spot is found in this section they are beginning to develop our farming resources.

"Many people are now considering making investments in our county. Several Northern interests have invested in hunting lands near here, and our outlook as a resort is very flattering. Greater preparations are being made to care for both the summer and winter visitors. The inland waterway from Beaufort Inlet to Norfolk will be finished this year, which will make this an important point as a base of supplies for shipping interests."

Charlotte.

W. H. Wood, secretary and treasurer American Trust Co., Charlotte, N. C.:

"The financial condition of the farmers of this vicinity is greatly improved this year, on account of the good prices we have received for cotton and other farm products. They owe less than ever before and have more surplus funds on deposit in the banks than in any previous years. I believe the amount of money on deposit with the banks in our city from the farmers is 50 per cent. greater than five years ago. With one exception the general business conditions here are very satisfactory, this exception being the cotton-mill industry, which is suffering considerably on account of the unstable condition of prices, both the raw product and the manufactured goods. Generally speaking, the cotton-mill industry has not been satisfactory for the past 18 months, but we feel sure that the time is not far off when this state of affairs will change and the cotton-mill industry will be on a better basis.

"I do not think, as a general rule, the surplus money received from our crops in the South will go into 'wild-cat' industries outside of the South, as I think, as a rule, our people are conservative in their investments, and having worked hard and labored under difficulties to earn their money, they will naturally be conservative in investing it. Farm lands in this section have advanced very materially in the last 12 months, and I think this advance could be estimated in general terms safely at about 20 per cent. increase.

"There has been a great increase of investors in this section of the South from other sections of the country, especially throughout the North. This has been very noticeable within the last two years, and there is no doubt but that the Northern investors are rapidly recognizing the great opportunities for investment in the South."

Clinton.

L. A. Bethune, president Bank of Clinton, Clinton, N. C.:

"The financial condition of this section of North Carolina is better than it has ever been before. Farmers have more money than usual, and their bank balances are larger than ever before.

"The business and industrial outlook is good. The surplus money from crops is being invested, as a rule, in the betterments of farms, building better homes, better barns, and the addition of modern farm machinery. Farming lands have enhanced in value more than 100 per cent. within the past five years. There has been an advance of some 25 per cent. within the past year. Some new settlers are coming from other counties of North Carolina and from South Carolina and investing in Sampson county farming lands, which are

relatively cheaper than in many other sections.

"It does not appear that cotton at 15 cents is relatively higher than other commodities, and the outlook is for continued prosperity in the South and the restoration of King Cotton to the ancient prestige and glory from which it was deposed by conditions that followed many years of production that was in excess of demand. Not only America, but the whole world, appears to be enjoying great prosperity, and the world is the market for cotton, which is hardly the case with any other one commodity the production of which is confined in the main to one particular part of the globe."

Henderson.

Wm. A. Hunt, cashier the Citizens' Bank, Henderson, N. C.:

"The farmers in this vicinity are in better condition financially than they have been for five years. From best-posted authority it is learned that they owe less money and have more money in bank at this time than they have had for quite a number of years. They are inclined to be more conservative than usual, and we think contemplate making more home supplies and less money crop than they have done in the past. Most of their investments have been confined to real estate, and they do not seem inclined to invest in speculative or 'wild-cat' enterprises."

Hillsboro.

Paul C. Collins, cashier the Bank of Orange, Hillsboro, N. C.:

"The financial condition of farmers is good. They are practically out of debt and carry deposits in local banks. Five years ago they virtually had no such deposits. The business and industrial outlook is good, and business is conservative. There is no tendency to wild-cattling. The value of farm lands has increased from 10 per cent. to 25 per cent. in the past 12 months. We have some new settlers coming in. They come from the Middle West."

Jackson.

J. T. Flythe, president the Bank of Northampton, Jackson, N. C.:

"The business outlook of this community is brighter than for years past. Most of our farmers are in good financial condition, less in debt than in past years, and quite a number of them carry nice bank accounts. The deposits of the farmers are more than double their deposits five years ago.

"Our farmers and business men are awakening along all lines. Farms are being improved and the more modern and up-to-date methods of farming are being employed. Business is more active in every channel. Bank deposits through this section now are nearly double that of two years ago. There are considerable local improvements on the farms and in the towns."

Rockingham.

W. L. Parsons, president the Bank of Pee Dee, Rockingham, N. C.:

"I regard the financial condition of the farmers of our section as better than in former years. The deposit in local banks does not indicate to the full extent this improved condition, since in many instances the profits have been invested in improving the homes and the local surroundings of the farmers, while some of their surplus money has been used in local developments. The price of land in our section has increased 50 per cent. or more within the last year or two."

Sparta.

T. J. Carson, Jr., cashier the Bank of Sparta, Sparta, N. C.:

"We are situated in a very isolated section, 20 miles to the nearest railroad. Ours

is a stock-raising country, and prices have been satisfactory. Our country would develop very rapidly but for the fact that so many sell their farms and go where educational and other advantages are superior. As it is we are doing well. Better farming, better houses and more of the comforts of life are the rule."

Warrenton.

C. N. Williams, Jr., president Bank of Warren, Warrenton, N. C.:

"We would consider the financial condition of our farmers better than it has been for a number of years. They are less in debt, and the bank deposits of our county show an increase of fully 50 per cent. over 1908. Our people have great confidence in the investments at home, and there is very little danger of their cash being invested in 'speculative or wild-cat' enterprises out of the South. Farm lands have increased in value at least 25 per cent. in the last 12 months.

"We have a settlement of Germans in one section of the county who are very industrious and are making good citizens, and lots of their people are settling here. Within the last 12 months a cotton mill has been organized in Warrenton, which will start with paid capital of \$130,000, most of which is subscribed by a Northern capitalist who has come here to make his home. The town itself has expended a large amount of money on the streets, and has just completed a deep well which affords ample water for all purposes, and the town authorities are now considering putting in water-works and sewerage system."

Wilmington.

The Murchison National Bank, Wilmington, N. C.:

"I can only respond in a cursory way to your request for an opinion as to the financial condition of the Southern farmers in this vicinity and the business outlook.

"The cotton crop in this section was very good. The season was good for gathering and the cotton brought generally high prices from the beginning. It left a large surplus of money in the farmers' hands—more in the aggregate than they have ever had previously. The bank deposits increased very greatly from this source. The surplus money is being used in paying old debts and buying more land. Every farmer wants to add more land to his holdings. This, I think, is a mistake, as in some sections the price of land has gone up too much, and this is one of the dangers of the situation. The price of land is advancing too rapidly, in my opinion, and if a setback in the business situation should occur we would feel it. What the farmers should do is to cultivate their land better and make more produce per acre, and I believe many of them are realizing this.

"At the present time there are no settlers coming in from other sections to our vicinity except some foreigners from Northern Italy and Holland, which we are encouraging, as they make good citizens and excellent farmers.

"The general conditions here are exceedingly prosperous, and upon the whole our people are very hopeful and looking for further improvement in trade."

OKLAHOMA.

Lawton.

N. T. Gilbert, vice-president Lawton National Bank, Lawton, Okla.:

"The financial condition of the farmers in this community is practically the same as a year ago. They are in better condition than five years ago, and have better deposits in the bank.

"What surplus money they have will be used in local improvements, as there is very little disposition here for any kind of outside investment or speculation.

"Farm lands have not increased materially in the last year, although there is a general tendency upward. Investors and settlers are coming in to a considerable extent, coming principally from the middle West.

"In general conditions look fair for the coming year, although it looks like money matters will be a little close."

Muskogee.

A. C. Trumbo, cashier Muskogee National Bank, Muskogee, Okla.:

"Muskogee, Okla., is in the eastern part of the State. A large number of farmers here are new people who are just beginning to pay for their lands or in many cases are renting and paying a share of the crops as a rental. They do not have any deposits for the local banks, but are borrowers by giving chattel mortgages on their crops, horses and cattle. The general business and industrial outlook, however, is very good. There are a great many thrifty farmers who have saved up a little money to buy stock and are able to make a small payment on a piece of new land and make a long-time loan for the balance. The corn crop was cut short last year on account of lack of rain; nevertheless there was about one-half crop running from 10 to 15 bushels per acre, perhaps in some cases 20 bushels. I think the average for Oklahoma was 17, and Oklahoma stands tenth in the United States on corn, having raised last year over 100,000,000 bushels.

"We are having a large number of settlers and investors coming from Ohio, Indiana, Iowa, Missouri, Arkansas and Texas. We have a great many industrial enterprises starting in a small way in Muskogee, which is the second largest city in the State; also a great many jobbing houses are located here. Armour & Co. purchased a location this week, and recently a large supply house, known as the Atlas Supply Co., located here, and about a year ago the Hale-Halsell Grocery Co. built a fine building and is doing a large business. It would seem that Muskogee now stands about first in the State on wholesale groceries. A very efficient rate clerk employed by the jobbers has secured exceptionally low rates for Muskogee, and this is bringing in a large number of jobbing houses and small manufacturing enterprises.

"What Oklahoma needs now more than anything else is good thrifty farmers from the North and East who know how to work and save their money."

Oklahoma City.

Frank P. Johnson, president American National Bank, Oklahoma City, Okla.:

"Our observation is that the farmers of Oklahoma are probably in better financial condition and less in debt at this time than they have been for several years. The season of 1909 and 1910 has been one in which the farmers realized to the full the benefit of high prices. The Oklahoma farmers sold their cotton at an average price of probably 14½ cents; their wheat at \$1 a bushel or better; their corn at 60 cents; their broom corn at \$100 to \$200 per ton, and handsome prices for beef cattle and hogs. Country bankers in nearly every section of the State tell us that the farmers have paid up their notes better than at any time in recent years. A great many of them have substantial deposits in local banks.

"The outlook in this section for 1910 is exceedingly bright. Bank deposits in Oklahoma City are almost double what they were 12 months ago. Farm and city values are advancing, and the soil is in excellent condition for the spring crops. The local money is being almost entirely invested in home enterprises and in farms and city buildings, and very little of it is

going away for outside investments, for the reason that local investments are very profitable.

"Immigration into Oklahoma still continues on a large scale, and will do so no doubt as long as our best farming land sells at so much less per acre than in the North and central West."

Ponca City.

C. De. Roberts, president the First National Bank, Ponca City, Okla.:

"The deposits in the local banks are not as large as they were two years ago. They fell off during the money stringency, and have not fully recovered. The farmers, however, are in very good financial condition. We had a short crop last year (1909), but the good prices they are getting for live-stock, wheat, oats and corn to a great extent is compensating for the shortage, but a short crop does not distribute the returns equally, as some have but little to sell at any price. This applies particularly to the farmer that is confined to one crop, like wheat or corn.

"Farm lands are about the only outside investment here, as we are strictly an agricultural country; no manufacturers whatsoever. In lands there has been a large advance, and lands are changing hands very fast, but this does not do us any good, as it is simply one farmer taking the place of another. It neither increases producers or consumers. The State at large, however, is running wild in 'wild-cat' speculations. Chief among these is life insurance companies and fire insurance companies. There is a regular 'orgy' among these. Promoters from all parts of the East are here overrunning the State selling stock. Ten life and as many fire companies have taken out charters within the last six months, and are lording every man that can be coaxed into buying stock by promises of big dividends. The big growth and dividends paid and increase of stock in such companies as the New York Life, the Equitable and other companies are shown as to what they will realize on life insurance investment, the promoters getting about one-fifth for their work and the solicitor another good slice out of every share sold. This line and boomed town lots are about the only things here that are gathering the farmers' money except lands, and I would estimate the increase in values during the last year to be at least 10 per cent. Good lands are now selling from \$8000 to \$20,000 per quarter, all depending upon improvements and other environments.

"We are north of the cotton belt, do not grow any cotton at all, hogs, cattle, wheat and corn being our staple productions. The major part of the newcomers investing in lands are from Kansas, Iowa, Illinois and Arkansas. Very few from the South."

Shawnee.

Willard Johnston, president of the State National Bank, Shawnee, Okla.:

"I think our farmers are in better shape than they were one year ago at this time, but their deposits are not as good as they were three to five years ago. The year 1908 was the most disastrous year for the farmers this county ever experienced. They were simply drowned out. I have been here ever since the county was settled 16 years ago. Then, the crops this year were not good. We only had half a crop on account of the dry, hot weather in July and August. For that reason our farmers are not in nearly as good condition as they were in the fall of 1907. The general business and industrial outlook is elegant. Never saw the land in better shape for a crop; the town is growing; property is advancing; new industries are locating here, and I have never seen the future of a town look better. Farm land

has not advanced any for the last two years and very few farmers coming in here at the present time, although we have quite a good many people that left here one or two years ago that went to Western Oklahoma, Texas and New Mexico that are returning. Nearly all of them left here with money and nearly all of them are returning broke. This is especially true of the farmers."

SOUTH CAROLINA.

Abbeville.

F. E. Harrison, president Farmers' Bank of Abbeville, Abbeville, S. C.:

"Our farmers are in much better shape financially than at any time in recent years. Indeed, I doubt if they ever were as prosperous. Notwithstanding the increased cost of living, many of them have a balance of profit at the end of the year's operations, and not a few have comfortable bank deposits. I think an increase in this particular of 50 per cent. as compared with the same period five years ago would not be far wrong.

"The general outlook for business in this section is very good. There seems to be no tendency to indulge in wild speculation nor to look for questionable investments. Advance in the price of farm lands hereabouts has been considerable. The price has gone up steadily for the past 10 years. For the past year I think the increase has been from 10 to 25 per cent.

"There are not as many newcomers in our county as we would like to see. In fact, this is a serious drawback to our prosperity. If our population were increased by 50 per cent. of the right class, our county would blossom as the rose."

Camden.

C. H. Yates, cashier the Bank of Camden, Camden, S. C.:

"The farmers in our vicinity are in better condition than they have been for years. They owe less money and are depositing their surplus in the local banks. These deposits are about 50 per cent. greater than they were five years ago. The most healthy signs of prosperity are the farm improvements, the building of better houses and barns and keeping of the best animals obtainable. The improved condition of the farms, brought about by the intelligent use of fertilizers and thorough tilling of the soil, has greatly increased the value of lands in this vicinity. Lands that were considered almost valueless a few years ago, selling slowly at \$1.50 to \$2 per acre, are now ready sellers at \$15 to \$20 per acre. The happy condition of our farmers is evidenced by the nice schoolhouses and churches dotted over our country and the largely increased number of their children attending our colleges."

Chester.

M. S. Lewis, cashier National Exchange Bank, Chester, S. C.:

"It is a great pleasure to state that I think the South, and especially our immediate section, has an exceedingly bright prospect. The farmers in this county have increased in wealth very rapidly in the last few years, both in the matter of revenue from their farms and the increased value of their property. Our farmers are nearer being absolutely independent than they have ever been. This is brought about by more intelligent farming, as evidenced by diversified crops and scientific methods. There are a great many farmers in our county who have nice bank accounts, and the local bank conditions amply prove this. Just a few years ago there was only one bank in this town, with a capital of \$75,000 and deposits of about \$150,000. Now we have five banks in this town, with deposits of

more than \$1,000,000, and a great deal of this money is the accumulation of the farmers. The general business outlook is very promising and causes everyone in this section to be extremely optimistic.

"The money that our citizens are accumulating will be used very conservatively. There is very little speculation in this immediate section. Our people, from former experiences know what it is to lose money. They have learned a lesson, and will invest very judiciously in the future.

"There is no section in the United States that has a brighter future than this, for the Southern Power Co. is developing a great water-power on the Catawba River near us, and new cotton mills are building in this county. A vast amount of capital is being invested in this section. Farm lands are selling at a reasonable price now, which affords one of the most magnificent opportunities for investing money safely, receiving a good income upon it and in the future years reaping a handsome profit, for values will greatly increase, and people investing in this section will be made rich in the next five years."

Gaffney.

C. M. Smith, president Merchants and Planters' Bank, Gaffney, S. C.:

"The year 1909 was an unusually prosperous one for this section. Farm yields were good, not as good as 1908, but very fair. The cotton yield was off about 18 per cent. from last year for this county, but the high prices more than made up for the loss in yield. Most of the farmers have sold out their cotton at good prices, and as a consequence the collections of the merchants and banks have been unusually good. The deposits of this bank have increased more than 50 per cent. during the year 1909.

"The farmers as a whole are pretty well out of debt, except in some cases of purchases of real estate, and a large number of them are carrying good bank accounts. Our people are not prone to take onto outside speculative or 'wild-cat' enterprises, and accumulations will doubtless be used to further local enterprises. I would estimate increase in farm values for the last 12 months at 10 per cent., and at 50 per cent. for the last five years, and these estimates are possibly too conservative.

"So far our section does not seem to have attracted the attention of settlers or investors from other sections. Ours is a very much favored section, both from a farming and industrial standpoint. We have two hydro-electrical power plants within this (Cherokee) county, with developments costing more than \$1,000,000 each. These plants assure our manufacturers an abundant supply of cheap, efficient and convenient power for manufacturing enterprises."

Prosperity.

Geo. Y. Hunter, president the Bank of Prosperity, Prosperity, S. C.:

"The financial condition of the farmers in this vicinity is the best in the history of their lives. They have less debts than in former years and are more prosperous in all lines of industrial work; bank deposits fully 30 to 50 per cent. more than five years ago. The general business outlook among the farmers the best in the history of the country. The surplus money among the farmers will be used in local investment, and the tendency in this vicinity is to deposit their surplus money in savings banks. Stock-raising and farm diversification, better cultivation, with improved methods, increasing rapidly. Farm lands increasing in value; average value now about \$30 per acre. This section, as most of the South, is not attracting outside investors and settlers as the opportunities warrant. The whole South

is full of opportunity, but so long as it is wrongly advertised by outsiders as a country devastated by the hookworm it will never be developed as it should be.

"The idea that the whole South is infested with hookworm, or that it prevails to an alarming extent among the population of the South, is simply a rank misrepresentation and will not be substantiated by a thorough investigation of the health of the rural population."

Rowesville.

V. P. Shuler, president Cotton Bank, Rowesville, S. C.:

"Our farmers are in good financial condition. They are nearer being free from debt than for a number of years. The bank deposits of farmers have increased, say, 75 per cent. over five years ago. The general business and industrial outlook here for the new year is encouraging. The surplus money from crops last season will be used largely to purchase supplies, fertilizer and lands, and apparently there is no reason to think that any great percentage will be used in any wildcat schemes. Farm and town real estate values are feeling the effect of 15-cent cotton, and have advanced 25 per cent. in last six months. Our farmers are adopting business methods. Great improvements are being made in fertilizing and cultivation, and if the season is not adverse some record-breaking crops of corn and cotton will be made in old South Carolina, 'the garden spot of the world.' Farmers are among the largest stockholders in our bank; in fact, three are officers. A new bank is being organized at Orangeburg, a few miles from here, to be owned, patronized and managed exclusively by farmers."

Spartanburg.

H. A. Ligon, president American National Bank, Spartanburg, S. C.:

"In a general way we consider the financial condition of the farmers in our vicinity to be the best since the Civil War. They have made good crops in nearly every line, taking care of their money, and not indulging in wild-cat speculations. We do not consider the business on any boom, but feel like it is safe and satisfactory, and believe we will have a very satisfactory business through the spring and summer, resulting from the good prices obtained by the farmers for their cotton and surplus products of the farm. There are some settlers and investors coming in in a moderate but substantial way, and we feel like the outlook for the year's business is good."

Summerville.

Elias Doar, cashier Bank of Dorchester, Summerville, S. C.:

"As to Dorchester county, the farmers are in better condition than ever before—less in debt, carrying balances in bank, buying more lands, improving their old lands. Not a farmer in the county speculates to my knowledge. Deposits of farmers are more than ten times as great as five years ago. General business and industrial outlook is good. Farm lands have increased in value at least 300 per cent. in past five years. Cannot say just what increase for past 12 months would be. A few French-Canadians settled here. High prices of living necessities counteract the general prosperity to some extent, and farmers do not raise enough produce. I believe the repeal of the 'lien law' in South Carolina will reduce the cotton crop for 1910-11 by 200,000 bales."

Walhalla.

J. D. Verner, president Bank of Walhalla, Walhalla, S. C.:

"We find our farmers in much better financial condition at present than they have been for years. The high price of

produce has enabled them to pay debts, and more of them are carrying deposits in bank than ever before; think their deposits now are 50 per cent. more than five years ago. The general business outlook is good. The surplus will generally be used in betterment of farms. Recent business improvements and betterments of farms have enhanced the value of farm lands in the last 12 months from 10 to 15 per cent. Farmers from neighboring counties are coming into our county and buying lands, say, 25 per cent. more than before."

Sumter.

Richard I. Manning, president Bank of Sumter, Sumter, S. C.:

"The financial condition of the farmers of this community is good; their debts are reduced, and they are making strides toward working on a cash basis. Their bank accounts show marked increase. The general business outlook is bright, but needs conservative direction. Land values are greatly enhanced. Surplus money is being invested mostly in lands, but not in 'wildcat' enterprises elsewhere. Real estate mortgages which have been running for years are being reduced, and a greater number of them are being paid up in full than at any time since 1860. Along with the increase in use of fertilizers for cotton, more attention is directed to increased fertilization of grain. The large increase in the yield of grain noted in 1909 will be further increased in the future. Farmers are raising more grain and home supplies than before, and are paying more attention to soil fertilization and seed improvement. Never before has there been such eagerness for intelligent direction and improvement in farm methods."

Westminster.

W. P. Anderson, president Westminster Bank, Westminster, S. C.:

"The financial condition of farmers in this vicinity is the best ever. While their debts aggregate more than in past years, these debts are not on account of losses and falling behind, as in former years, but represent the cost of improved machinery, new farmhouses, barns, better live-stock and improvements to the land itself caused by removing stumps, terracing and other betterments. Many farmers are carrying surplus deposits, and, as compared with five years ago, they are easily five times as much now as then."

"The general business or industrial outlook is fair. The deposits of the farmers will be required to operate their farms this year. The high cost of everything the farmer has to buy will consume the surplus before another crop is made, and, besides, the doing away of the lien law forces the landowner to supply his tenants. This has formerly been done by merchants. Very little money here goes into speculation or outside investments. Farm lands continually advance in value. Compared with one year ago, would say 5 to 10 per cent. New settlers are constantly coming into our county, mostly from the middle section of the State."

Williston.

W. E. Prothro, cashier Bank of Williston, Williston, S. C.:

"Business conditions are good. A fair crop of cotton was made and good prices were realized. Farmers have more money than for 20 years, and more money in banks than for a long time. Investments are being made in farm machinery and mules, with improved methods. There is no tendency to speculate to any great extent. While there has been a rise of 25 per cent. or more in land values, and a good many have invested in lands, they are mostly permanent, and are for farmers who will develop. There is no immigra-

tion coming to this section except from some adjoining counties. I would pronounce the general business conditions here as good, and with bright prospects for future, which are being properly taken advantage of by our people."

Yorkville.

S. M. McNeil, president Loan and Savings Bank, Yorkville, S. C.:

"The general condition of the farmers throughout this country is one of improvement. The farmhouses are better kept than at any time since the Civil War. You will find throughout the entire rural districts more attractive homes, better out-buildings and better modes of traveling—good buggies and carriages, better churches, schools and more home conveniences than ever before. The farmers subscribe for more papers and magazines. The boys and girls in the country are being better educated than ever before, showing by this that the farmers are certainly in better financial condition. The majority of farmers are carrying bank accounts, whereas 10 years ago they did not have the money to put in the banks, and if they did they were afraid of banks. They are now among the strong supporters of banks, and invest their surplus in real estate. Farm lands are very high, and all evidence of going higher. The business outlook seems good all around."

TENNESSEE.

Blountville.

C. H. Masengill, cashier Farmers' Bank of Sullivan County, Blountville, Tenn.:

"The farmers of Sullivan county are fairly prosperous; less in debt than in former years, and perhaps a majority are carrying deposits in local banks, which deposits might be conservatively estimated as 40 per cent. greater than they were five years ago. Farm lands in this section have increased in value about 30 per cent. during the last two or three years; in some instances far more, due partly to building of pike roads in the county. Very few of the people desire to sell their lands. Few settlers are coming in; in fact, they never have, the population being largely descended from the early settlers."

Columbia.

J. L. Hutton, president Phoenix National Bank, Columbia, Tenn.:

"The farmers in this vicinity are in a very prosperous condition. They are probably not less in debt than in former years, but have more assets on hand. Prosperity and increasing prices in all farming products and live-stock tend to induce speculation among the farmers in these lines. Their deposits in banks are somewhat better than they were five years ago. General business and industrial outlook is good. Whilst there is prospect of quite a lot of development work being done, there seems to be a growing tendency to invest in speculative enterprises outside of this section. The high prices of farm products and other causes have produced a very material rise in the value of farm lands—not less than 10 to 20 per cent. within the last 12 months and perhaps 50 per cent. within five years. Very few settlers and investors are coming into this section from other places."

Covington.

W. T. Boyd, cashier Farmers' Union Bank, Covington, Tenn.:

"The condition of the farmers, financially, is much better than for many years, and are not in debt as much as in former years. Judging from the deposits of the bank, they are carrying from 40 to 50 per cent. more deposits than five years ago. The farmers are improving their lands, building better dwellings and barns and raising more stock. The general outlook

is bright. No money leaving here for wildcat speculation. Lands have advanced from 15 to 25 per cent. A few settlers are coming in, but most of the land offered for sale meets with a ready sale from our own people."

Gainesboro.

J. A. Williams, cashier the Bank of Gainesboro, Gainesboro, Tenn.:

"Gainesboro is situated in Jackson county, Tennessee, near the Cumberland River, a very fine agricultural country, land rich on the river and its tributaries, produces fine corn, wheat, oats, tobacco, clover, timothy, bluegrass and vegetables of all kinds. Our farmers are more prosperous than ever before, but for the lack of railroads and macadam roads our farmers are selling out and buying in other counties where they have railroads and turnpikes. By so doing they carry off the surplus money to other sections and invest in lands and timber, the result is our deposits have not increased in five years. The value of farm land has increased some 20 per cent. in last five years. No settlers are coming in. Our county voted \$150,000 stock in a contemplated railroad the 11th of December last. The road is to connect the Illinois Central at Hodgenville, Ky., with the Georgia Central at Chattanooga, Tenn., via Gainesboro. Should that road be built it will connect this section with Louisville on the north, Chattanooga south. If this road is built then we expect immigration and capital to come and macadam roads and bridges will necessarily follow. Our farmers in the main are out of debt, and the outlook in the future is good. Stock of all kinds brings good prices and crops sell for good prices, too."

Gallatin.

William Hall, cashier the First National Bank, Gallatin, Tenn.:

"The farmers are in better condition financially than at any time in the recent past. They probably owe as much money, but, on account of the enormous advance in the price of land and everything they have as assets, they are in much better condition to meet liabilities. Their deposits have not very largely increased, because they keep the money they get well invested in growing stock of all kinds. No cotton is cultivated in this (Sumner) county. Our citizens invest in local enterprises and have little or no disposition to invest in doubtful or speculative 'wildcat' stocks. Farming in all of its branches has greatly benefited on account of business improvements. Lands have more than doubled in value in the last three years, and have advanced in the last year about 20 per cent. There are more people from various sections who come here to buy homes than they can find homes to sell."

Livingston.

T. B. Copeland, cashier Farmers' Bank, Livingston, Tenn.:

"The financial condition of the farmers of our county is good; better by far than for several years. Everything they can spare from the farm is demanding the best prices ever known by men of my age. Their deposits have increased from 30 to 50 per cent. in the last four or five years."

"Valuation of farming lands in this (Overton) county is gradually increasing, about 100 per cent. in the last six years."

"The business outlook is fairly good, and we feel that the most of the local money will be invested and used for the further development of our community."

"Our town is improving and building up rapidly. A number of families are moving in, and the wealth of the town has been almost doubled within the past four years. The banking business in our town is now 100 per cent. better than six years ago,

the greater increase being in the past three years."

Madisonville.

W. H. McCroskey, cashier Bank of Madisonville, Madisonville, Tenn.:

"The financial condition of our farmers is generally good, and I believe they are less in debt today than for many years. Crops have been fairly good and prices high, and naturally they are benefited. They carry 100 per cent. more money in banks than five years ago, because they have more and because they are being educated to the use of banks. The industrial and business outlook is good, and our people seem to prefer to invest their surplus funds in home industries. Within the past five years farming lands here have increased in value at least 50 per cent.; it would be hard to say how much within past year, but would judge from 10 to 15 per cent."

Nashville.

W. W. Berry, president the American National Bank, Nashville, Tenn.:

"The farmers in this section are in better condition than ever before, and produce of every kind is bringing them in good prices. Many of them have substantial bank accounts. There is no disposition among them to speculate, and farm values are probably 25 per cent. higher than last year."

Sevierville.

R. D. Marshall, cashier Bank of Sevierville, Sevierville, Tenn.:

"I consider the business outlook of this county to be the very best that it has ever enjoyed. The completion of the Knoxville, Sevierville & Eastern Railroad from Knoxville to Sevierville gives us a direct market for all produce and opens up large areas of timber and mining propositions that have heretofore been unmarketable. For some time I have been giving the farming question in the South some study, and I am fully convinced that the farms of Sevier county are the best farmed lands in the country. Our farmers are prosperous and retain their money at home for the better equipment and improvement of their lands."

Waverly.

A. P. McMurry, president Citizens' National Bank, Waverly, Tenn.:

"Financial conditions of our farmers are not so good as one year ago. More are in debt. Deposits are not so good. General business and industrial outlook are not good. Our people are inclined to make doubtful investments, especially in stock in life insurance companies, of which many new ones are being organized in the South. Business conditions are not at all improved in this locality. Farm lands are improving very little, but the price of some has increased from 10 to 25 per cent. within last three years. Very few settlers coming into this section."

TEXAS.

Cuero.

Jos. Sheridan, cashier the Buchel National Bank, Cuero, Tex.:

"Our farmers are in splendid financial condition, less in debt than in former years and have money in the bank; more, in fact, than they will need to carry them over until the next crop. In our section we are having an earlier winter than for many years, and have had fine rains, putting a good season into the ground. Most of our farmers have plowed, and their land has thus received the benefit of the rains and cold, and the outlook for the farmer is good so far. Our people are not inclined to go very far outside their own territory to invest, and fight shy of speculative schemes."

"Owing to the fine crops, both corn and cotton, we have had high prices for poultry,

eggs, and, in fact, every commodity the farmer had to sell; our lands are bringing better prices than ever; however, within reason. We presume 10 to 15 per cent. increase over last year would be a fair estimate. Settlers are not coming into our immediate section, for the reason mostly that our farm lands are well settled; no large tracts on the market; in fact, everybody is so well contented and happy that we need no settlers. We have enough good people among us to give us prosperity the year around. We refer to the farming class. We would be glad, however, to have more manufacturing enterprises in our midst."

Henrietta.

H. J. Smith, cashier Merchants and Plants' Bank, Henrietta, Tex.:

"Financial condition of farmers in this section much better than in former years; less in debt, and majority carrying surplus funds on deposit greatly in extent of five years ago.

"General business and industrial outlook very promising. Much of the unused funds of farmers will be used in local investments, such as land and stock, and practically none will be used in outside wildcat propositions.

"Business improvement and betterment of farm conditions has greatly enhanced land values, at least 25 per cent. in last 12 months.

"Many farmers from other sections are coming into this community, investing in farm lands."

San Angelo.

George E. Webb, president The First National Bank, San Angelo, Tex.:

"The business interests in San Angelo and the country tributary to the city are in good condition, notwithstanding the fact of the prolonged drouth which visited Texas last year and was felt in this part of the State. While the country is being gradually settled by farmers, yet the main reliance is in the live-stock interests; and the present high prices for both cattle and sheep afford the growers a reasonable profit on their business, although the costs of doing business are considerably greater at the present time than a few years ago, when prices for live stock were lower.

"By reason of the short crop of cotton, our farmers have no surplus funds at this time, but the outlook now is that the year 1910 will be good in its results to both farmers and stock men, as there is considerable moisture in the soil and so offering the promise that labor will not be unrewarded this year. The needs for capital in this section of the country are great, as there is much development work to be done, and these needs must continue for several years yet.

"Since the opening of the Kansas City, Mexico & Orient Railroad into San Angelo, Tex., there has been a further considerable influx, both of settlers and investors, into this part of Texas, and with the further railroad developments now taking place, by which the Santa Fe system is building from San Angelo, and the Kansas City, Mexico & Orient is also extending from this point, further development of our territory is looked for."

Waxahachie.

O. E. Dunlap, president Citizens' National Bank, Waxahachie, Tex.:

"The financial condition of our farmers is good. Their deposits, I think, are better than five years ago. Eighty per cent. of bank deposits in this county are deposits of farmers. This county produces more cotton than any county in the United States on an average. Our cotton crop this year was very short, but brings to the producers \$6,000,000. Our farmers never speculate in what is termed 'wild-cat'

stuff. Our farm lands steadily increase in value, the average value being, say, \$75 per acre. This county is thickly settled. No new investors from the outside come here. Nearly all land in cultivation. Nineteen banks in county. Average annual agricultural products in county, \$13,000,000."

VIRGINIA.

Christiansburg.

M. H. Tompkins, president First National Bank, Christiansburg, Va.:

"The farmers in this vicinity are in much better shape than they have ever been. Most of them are out of debt, and have money to loan. The general business outlook is good. No money from the sale of cotton is invested in this locality. The improvement in business since the panic of 1907 has been wonderful, and the real estate has advanced in price. There are some settlers coming into this county from the Northwest."

Roanoke.

J. Tyler Meadows, vice-president and cashier the First National Bank, Roanoke, Va.:

"The farmers in this vicinity are in splendid condition financially, all their products having been marketed at good prices for the last few years, and as a rule they are not in debt, and have more money deposited in local banks than they had five years ago.

"The general business and industrial outlook for this section seems encouraging; farm lands within a radius of 10 miles of this city have advanced in value from 10 to 20 per cent. during the last two years. Small tracts of land are frequently bought in this locality by settlers from various parts of the United States. Such transactions are usually made on a cash basis."

Williamsburg.

H. N. Phillips, cashier the Peninsula Bank of Williamsburg, Williamsburg, Va.:

"The financial condition of the farmers in this section, the Virginia Peninsula, is very materially improved over conditions a few years ago, but has not improved much in the last year, owing to unfavorable conditions in market for their principal trucking crop, Irish potatoes. Farmers as a class are beginning to get out of debt, and some are carrying surplus accounts. I should say that the deposits of farmers in this section are perhaps three times the amount of five years ago. The outlook for this year is considered good. The few industries we have seem exceedingly hopeful, and the farmers are pitching for larger crops. There is no likelihood of much money being spent in speculative or 'wild-cat' enterprises away from home. The farmers are getting their homes into much better condition, building barns, fences, etc. The advance in land in the last few years has been material, and are well worth three times the value of seven or eight years ago. No increase, however, has been made in the last year. This increase referred to is due first to improvement of farm conditions and the prices of farm products, and second to the fact that quite a number of settlers from the Northwest are coming our way and making their homes here. The majority of these people are good workers and good citizens. The outlook in general on the Peninsula seems exceptionally good, climate, soil and nearness to market and spirit of thrift, which seems to be getting into the people, all combine, we believe, to soon bring this section to the very forefront."

WEST VIRGINIA.

Charles Town.

John Porterfield, assistant cashier Bank of Charles Town, Charles Town, W. Va.:

"The financial condition of the farmers of our section is better than ever before. I cannot say that they are less in debt than in former years, as there has been a land fever existing here for some years, which, owing to the high prices of farm products, has induced many renters to purchase homes, paying one-half cash and the balance of purchase money secured by deed of trust on farm. Many others who owned farms have purchased others with borrowed money. They are all, generally speaking, in a prosperous condition, and are reducing their indebtedness very rapidly.

"Ten years ago our town had two banks, whose deposits reached about \$225,000. Today we have three banks with a total deposit of \$750,000. The general business and industrial outlook is good, and what few manufacturers we have are making preparations to increase their plants next spring. The people here are very conservative in their investments, putting their idle money in banks on interest, in building associations, of which we have eight, investing their money in real estate, and also in Jefferson county bonds, which pay 4 per cent. interest, sell at par and are exempt from all taxation except State, which is only five cents on \$100.

"In the last 10 years farm values have increased here about 50 per cent., and in the last 12 months not less than 10 per cent. I should say that about one-tenth of the farms recently sold here have been purchased by parties from other sections, and they, as a rule, have purchased our highest-priced lands.

"I should say that, though average price of land in our county is about \$65 per acre, a well improved accessible farm here will bring about \$80 per acre, and as high as \$100 per acre or more. If our farms were smaller and better improved, as they are in sections of Maryland and Pennsylvania, it would increase the farm valuation here at least 50 per cent. and make us one of, if not the richest, county in the United States."

Grafton.

H. W. Chadduck, cashier the Grafton Banking & Trust Co., Grafton, W. Va.:

"The financial condition of our farmers is much better than it has ever been. Very few of the farmers in this vicinity owe any money, and most all of them have more or less money on deposit in the local banks at interest, and these deposits have been growing from year to year. Their condition is better, too, in this respect, that they live better and have better homes than they did a few years ago.

"I cannot say that there has been any material advance in the value of our farm lands, and there do not appear to be any settlers coming here from other places. Our people are slow to take up any 'wild-cat' schemes, and seem satisfied with the 4 per cent. interest which they receive from the banks. Business conditions are good and are improving."

Huntington.

A. C. Thomas, cashier Union Savings Bank & Trust Co., Huntington, W. Va.:

"Speaking generally, the financial condition of the farmers of our vicinity is good—much better than five years ago. Huntington furnishes an unusually good market for farm products, and a drive throughout the country in this vicinity indicates that the farmer is 'making hay.' While we have not a great deal of farming clientele, our observation leads us to the belief that they are much freer from debt than formerly, and the more thrifty are accumulating money.

"The outlook for business is unusually good. While considerable money, in a small way, is being sent out of the com-

munity, principally for Texas farms, our men of means are using their wealth for the development of this section, more especially in the line of coal and timber developments.

"Farm lands have in some instances doubled in value within the past five years, more especially those suitable for 'trucking' and located within a radius of 10 miles from this city. The prospects of a 'nine-foot stage' is enhancing the value of lands in the Ohio Valley from 33 to 50 per cent. There has been a moderate influx of outside farmers, and people who have sold oil and coal lands wish to get closer to school opportunities.

"In our own city there has been an enhancement in the value of real estate ranging from 50 per cent. to 1000 per cent. within the past five years, and the outlook is that prices will go considerably higher for well-situated residence and business property when the spring opens. Huntington has a great deal of accessible and undeveloped territory, but the transportation facilities as yet cover but a limited area, making marked contrasts in values of property equi-distant from the central part of the city."

Madison.

E. E. White, assistant cashier the Madison National Bank, Madison, W. Va.:

"We are located in a mountainous section, where there is very little farming. The mining outlook is very promising for this year. Coal investors seem to be interested in the Coal River field."

Moundsville.

James A. Sigafosse, cashier Marshall County Bank, Moundsville, W. Va.:

"The farmers here are generally prosperous where energy and economy have been applied. The purchase of the coal in recent years underlying their farms cleared many of debt, while it gave money to others to deposit in banks. Very few farms in the county are under mortgage. Unfortunate is the tendency to 'get to town' and leave the farm. It has been noted that a very small proportion conduct their farms as a business proposition and with a view to building up the soil. Gold-mining speculation has been the most attractive investment for many farmers in this section to be 'taken in' on. Rentals for oil and gas privileges amount to several thousands of dollars annually, and proves a godsend to those on the hillside farms, where little can be raised. The full value of many farms has been paid by the companies in rentals."

Princeton.

T. M. Fry, cashier the First National Bank, Princeton, W. Va.:

"This is quite a grazing section, and the high price of all farm stock and products have increased land prices to about double. The Virginian Railway has done wonders toward developing this part of West Virginia. The sale of rich coal and timber lands along this road and its branches has made many poor families independent. This money is now being spent on good homes and developing home industries. Princeton, the principal town on the Virginian west of Roanoke, has had a wonderful growth in the past two years, and is now on the verge of its most prosperous year. The Virginian is putting large yards and shops here for the accommodation of its fast growing business. They seem to be sparing no money to make this the coming town of the Virginian coal field."

THE PUBLICATION OF THIS SERIES OF LETTERS WILL BE CONTINUED IN OUR ISSUE OF FEBRUARY 3.

ALACRITY OF SOUTHERN COMMERCIAL BODIES FOR NEW INDUSTRIES

WHAT IS YOUR TOWN DOING?

The MANUFACTURERS' RECORD will be glad to receive from responsible correspondents in every town in the South brief items of news about business conditions and the opportunities for industrial enterprises. This information is desired for publication without cost of any kind to the sender, and regardless of whether the writer of the letter is a subscriber or not. The MANUFACTURERS' RECORD accepts no paid town write-ups. It seeks information of this kind from commercial and industrial organizations and from municipal authorities in every town and city of the South.

WHAT CO-OPERATION MEANS.

Business Men's Club.

Waco, Tex., January 18.

Editor Manufacturers' Record:

I find the MANUFACTURERS' RECORD to be of the greatest value to me in a number of the lines of work which I have been handling as a commercial club secretary. The good your publication has done in the efforts for good roads in the South cannot be estimated, but it is daily being demonstrated that these efforts are fruitful of results. In a successful good-roads campaign in which I was recently interested, I noted that our speakers quoted freely from the statistics and arguments which appeared from time to time in your paper.

The ready co-operation of your paper and its staff with Commercial Club Secretaries in the efforts for development and progress must be as pleasing to the profession as a whole as it is to me personally. The directors of this organization recognize the worth of the MANUFACTURERS' RECORD, as some of them subscribe for it, and some of the others are interested in reading it when they come to the Club Rooms.

C. WILBUR COONS,
Secretary.

DELTA WANTS PEOPLE.

Greenville, Miss., January 19.

Editor Manufacturers' Record:

We had with us Monday, the 17th, Dr. Seaman A. Knapp, chief of the bureau of plant industry, Agricultural Department, at Washington, and following the address of Dr. Knapp the visitor and his staff admitted that throughout the series of Southern addresses he never spoke to a crowd that was so representative in land ownership as the one here. It was an audience of planters strictly, since I regret to announce there were perhaps not two dozen other adults in the courtroom who were in commercial business alone. It is not overestimating the situation to say that more than 200,000 acres of land were represented by actual ownership in that magnificent audience. The meeting went down in history as the largest and most enthusiastic and decidedly the most effective farmers' meeting ever held in the Delta country. A dozen counties were represented, and probably every plantation of consequence in those counties.

Dr. Knapp had reserved for Greenville the master speech he was to deliver on his tour. Mr. M. V. Richards of the Southern Railway advised your correspondent that the bureau chief had been preparing for his Greenville effort with great care and that his address would probably be issued in bulletin form for general distribution throughout the cotton-growing States. Without waiting on the action of the Agricultural Department, the Greenville Business League, using stenographic notes, is preparing a pamphlet, and a copy of the address will be mailed by this organization to the planters in Washington and adjoining counties.

It would be difficult for the boll-weevil to start a panic at this stage of the game should the bug make his appearance in the Delta. Our people have been thoroughly prepared by Dr. Knapp, and we

have another advantage. It would not be regarded as egotistical, or should not be, for us to state that the Delta country has a higher order of planters than elsewhere. Our landowners are men of travel and observation; they are among the educated, moneyed classes; they have been following, not with fright, but with intelligent understanding, the progress of the weevil from the southwest of Texas to the borders of the Mississippi, and they have watched closely the fight made by the Agricultural Department against its ravages, and they comprehend fully what is needful to be done under weevil conditions. They appreciate that cotton can be grown in quantities to be highly profitable with the Mexican insect in the field, and they are ready to adopt the remedy found so gratifying by the department demonstrators—namely, proper preparation of cotton beds, early planting, intelligent drainage, intensive cultivation, and the raising of all the corn and hay required on plantations.

The Delta is ready for the boll-weevil, and if it comes the Delta planter will frail it to a frazzle.

In a communication directed to you in October I stated that the Delta would this year continue its extensions into the domain of alfalfa, corn, rape and clover. My predictions are being verified in almost daily conversation with the largest planters of this section. There is being imported into this county today carloads of breeding stock—good mares for mule production, the highest class of hog for this climate and cattle for feeding for market. In five years the Delta is going to be one of the finest mule and hog regions of the South. Tens of thousands of acres will be devoted to the production of this highly profitable live-stock. A large number of plantations in Washington and adjoining counties will produce this year sufficient corn and forage to keep up their mules and laborers another year. I believe there will be a surplus of corn in 1911, and that hundreds of cars of alfalfa and other legumes will find markets elsewhere.

The action of the Government in this week appropriating the unprecedented sum of \$4,000,000 for the upkeep and improvement of the levee system on the lower Mississippi River should forever still any question about the safety of investment in Yazoo Delta farm or timber lands. The Government having fully committed itself to a policy of levee construction and reclamation on a scale never before attempted, means the absolute control of the great Father of Waters and guarantees protection to every dollar of money invested along its banks. That there has been in the past more or less doubt as to the ability of the Federal Government to keep the river in its present channel need not be disputed, for thousands of Middle Western farmers would have emigrated to this garden spot but for fear that the river would break over and either destroy their lands or jeopardize their lives by producing insubstantial or unhealthy conditions surrounding places of residence. We who have lived here and know the peculiar whims of the river have had no such anxiety, and now

that the system of dykes is to be so substantially strengthened and the kinks taken out of the sandbars, we may assuredly look forward to an era of home-seekers in this great and fertile valley.

We are desperately in need of people in the Delta. Thousands of acres are crying for cultivation, ready to bless with riches the man who will come and tickle them into giving up their products. One million people can find an easy, comfortable living on our Delta lands; we can produce beef and cattle here to feed the whole of Mississippi from New Year to Christmas; we can produce more alfalfa, rye, rape, oats and sorghum per acre than the famed lands of the West. Just as Hades needs only water to make it slightly more agreeable, do we in this country need only people to make the country the richest in point of individual wealth of any section on the American continent.

When land values rise to \$200 per acre, or their just sum, people will find out their great productiveness, and that is the pity of it.

F. M. RUNNELS,
Secretary.

ALERT TO GROWTH.

Albemarle, N. C., January 20.

Editor Manufacturers' Record:

Albemarle, N. C., is entering upon another year of phenomenal growth. During the past year a number of large brick business houses, together with many handsome residences, have been built. There is now in course of construction two cotton mills, which combined will add about 35,000 spindles to the 70,000 already in operation.

Stanly Supply Co. is breaking ground for a large two-story brick building facing on two streets, in which will be the large department store of this concern. Two other large brick buildings will be constructed at once on Main street—one by Mayor L. B. Miller and J. M. Peeler, the other by R. L. Smith and Amos Biles. These buildings will be occupied as stores.

The town now has a business organization, the Piedmont Commercial Club, whose officers and members are thoroughly alive to the future growth of the town, and are planning a good-roads movement for the year 1910. This club's members comprise many of the leading business men of the town.

A bill has been introduced in Congress for an appropriation of \$60,000 for a public building, and there is strong hope of the town securing this appropriation.

The Southbound Railroad, which passes through Albemarle, is being pushed rapidly to completion, and will be another trunk line from the Great Lakes to the Atlantic, thus putting Albemarle on a great artery of commerce.

W. L. MANN,
Secretary.

A CORRECTION.

The Booster Club.

Texarkana, Tex., January 22.

Editor Manufacturers' Record:

It is our intention that nothing but facts shall go forth in the way of advertising Texarkana. We note in your issue of January 20, written by your Mr. Cloyd, the statement that we have river navigation. This is an error. We are eight miles from Red River and eight from Sulphur River. At present the rivers do us no good for rates. However, there has been a project on foot to connect the two rivers by a canal going by Texarkana, which, it is the hope of the citizens, to have Government aid in getting there within the next five years. Our location on the line between the two States for the

forwarding of a manufactured article gives us an immense advantage where a factory wishes the trade of the two States.

Also please correct statement that we are getting gas for manufacturers for less than 10 cents per 1000 for large concerns. Our flat rate to manufacturers is 10 cents. We have the matter up with the gas people, and are endeavoring to get a lower rate to large consumers. Be this as it may, we feel that did we have to pay 20 cents for gas, that we can show natural advantages and location sufficient to induce factories to locate with us, instead of other points that have a rate on gas even lower than 10 cents.

RALPH G. MOORE.

FOR A MILL SITE.

Board of Trade.

Jellico, Tex., January 21.

Editor Manufacturers' Record:

We have a splendid site for a flour mill or knitting mill just outside of the corporation of this city, on a side track, just a few hundred yards from a coal tippie, where plenty of cheap fuel can be had without any freight charges, and a good stream of water for any purpose running through the property, located on the main pike running through this valley, just a mile and a quarter from the heart of the city. We are anxious to get a plant built on this ground, and we think some stock in either a flour mill or a knitting mill could be sold in this city. This is a good distributing center. We have a mining population of 15,000 people in a radius of 20 miles. We have three wholesale grocery houses. We would be glad to correspond with anyone looking for a site for an industrial plant like the above.

W. S. HARKNESS,
President.

WANTS WELL-BUCKET MACHINES

Cass County Industrial League,

Atlanta, Tex., January 5.

Editor Manufacturers' Record:

Mr. W. H. Erambert, Sr., of our city wants to hear from some manufacturing concern that makes machinery for making well buckets, kegs, etc. He contemplates putting in such a plant, and would appreciate it if you would make a note of it in your MANUFACTURERS' RECORD next issue, or if you can give him an address of such a concern he would greatly appreciate it.

We are getting very encouraging results from our advertisement in your MANUFACTURERS' RECORD, and think it is the best medium through which to reach people along manufacturing lines.

M. L. ALLDAY,
Secretary.

WANTS INDUSTRIES.

Commercial Club,

Jasper, Mo., January 15.

Editor Manufacturers' Record:

Business conditions have been very good this year so far and during last year in our town. We have no manufacturing industries. We need a flouring mill and an electric-light plant. We have near our town fine bodies of white limestone for building material. Two or three stone-sawing plants would help our town and be paying investments for the operators. I shall be pleased to correspond with anyone interested in enterprises of the kind.

R. R. LARRICK,
President.

LITTLE ROCK GROWING.

Business Men's League.

Little Rock, Ark., January 21.

Editor Manufacturers' Record:

At the present time Little Rock is anxious to secure one or more cotton mills, and steps are being taken to raise a bonus

or stock subscription to assist in this matter. We have an abundance of cheap white labor for the purpose. A mill from a half million to one million dollars is what our people desire.

We also have an abundance of hardwood, including oak, hickory and gum, accessible to this city, and desire woodworking factories of all kinds.

We have just closed a contract for natural gas to be brought here from the Caddo fields, in Louisiana, within 12 months, to be sold for manufacturing purposes at 10 cents per thousand feet. The present prospects are that Little Rock will have an unprecedented growth, and is likely to double its population in the next five or six years.

H. F. AUTEN,
Secretary.

BUILDING RAPIDLY.

Commercial Club.

Paducah, Tex., January 21.

Editor Manufacturers' Record:

Paducah, the present terminus of the Q. A. & P. R. R., is an example of rapid town building. Scores of new residences are going up, two first-class hotels, a bank building and several business houses are under construction, and many others are contemplated. The contract for a \$25,000 school building will be let soon. The Methodists expect to erect a handsome church building during the coming year. Eight lumber yards are doing a good business.

The town has about 2000 people at present, and more are coming every day. Wages are good, and many workmen are here from other sections. An enthusiastic Commercial Club has many plans on foot.

Cottle county offers exceptional opportunities for the small farmer. The stockmen are cutting their ranches up into quarter sections and selling it on easy terms. The soil is varied, black, sandy and chocolate predominating. Heretofore, lack of railroad facilities has prevented the development of this section, but the railroad is now in operation, and homeseekers are coming.

Paducah offers unusual inducements to new enterprises, such as an electric-light plant, ice plant, flour mill, oil mill, compress, broom factory, creamery, etc. Immense deposits of fire-brick clay, together with the demand for building material, will enable an enterprising brickmaker to reap an easy fortune. Inexhaustible sand and gravel pits, both of the finest quality, gives an opening here for one of the best-paying concrete plants in the entire South.

V. O. PORTER,
Secretary.

HARDWOODS CLOSE BY.

Commercial Club.

Marianna, Ark., January 20.

Editor Manufacturers' Record:

There is a large amount of first-class hardwood timber adjacent to the city of Marianna, and the Marianna Commercial Club is prepared to offer liberal inducements toward locating a furniture factory, a veneering plant and a slack-barrel cooage plant in this city.

We also need a first-class hotel. Marianna is a city of over 5000 population, and the secretary of the Marianna Commercial Club shall be pleased to answer any inquiries.

E. L. COGILL,
Secretary.

Detailed information about towns seeking manufacturing enterprises and offering specific advantages for development and business opportunities can be found under the head of "Classified Opportunities" on pages 78 and 79, and under "Cities, Towns and Railroads Inviting Factories" on pages 113, 114, 115, 116 and 117.

SOME BUYERS NOT COVERED.

Satisfactory Conditions in the Birmingham Iron Market.

[Special Cor. Manufacturers' Record.]
Birmingham, Ala., January 24.

Taking matters as a whole—basing the assertion on an actual canvass of the producing interests—we should say that conditions in the pig-iron market the past week were very satisfactory to both buyer and producer. Some sales made show conclusively that there are some buyers who had not covered themselves for the first quarter of this year. They have done so now, and taken on first half iron as well. As to matter of actual base price, every indication points to the fact that it has not yet been established. Quite a bit of iron was sold during the week at \$14 per ton at the furnace for first and second quarter deliveries. Inquiries have characterized the market conditions mainly, and the fact revealed that some buyers are feeling their way for third quarter and second half business. The principal furnace interests state positively that they have not opened their books for any delivery beyond the first half of the year, and no sales are traceable. Two additional furnaces were blown out during the week, one of the Pioneer furnaces and the Woodstock furnace at Anniston. This makes a total of five stacks out of commission, or something like a decrease of 25,000 tons per month. This in itself will have a telling effect on stocks. As far as actual sales go, they ranged from 50 to 500-ton lots, with an aggregate for the week of, say, 6000 or 7000 tons. Some of the sales were made on basis of \$14, and some \$14.50 per ton, No. 2 foundry f. o. b. cars at the furnace. There can hardly be any question but that \$14 is rock bottom, and buyers readily appreciate the situation. No further recession is looked for, but, on the other hand, by February 1 a firm base price of \$14.50 per ton at the furnace is looked for. Southern charcoal iron is firm at \$22 to \$22.50 per ton at the furnace.

While there has been some slight change upward in prices of cast-iron pipe, it is not enough to disturb the list of the past few weeks. In conversation with two of the important interests here, both reported that their stocks were low, and that sufficient orders were in hand to take care of output for several months ahead. No very large lettings are reported. The city of Tacoma made a purchase of 700 tons; Montgomery, Ala., something like 500 tons, as well as some other Southern and Western cities. By reason of the concession in freight rates, recently granted, our people have been able to reclaim the Texas territory to a great degree, and business from those points has been good. With the advent of good weather very satisfactory pipe business is looked for. Following are prices quoted per net ton f. o. b. cars at the shops here: Four-inch, \$25; 6, 8 and 10-inch, \$23; 12 inches and over, average of \$22, with \$1 per ton extra for gaspipe; fittings, \$60 per ton.

There has been no decided change in the old material market, though scrap is moving from day to day from the district, as well as other points in the South where it is assembled. Prices have not advanced, neither have they declined to any considerable appreciable extent. Following prices are quoted per gross ton f. o. b. cars Birmingham:

Old iron axles, \$20 to \$20.50.
Old iron rails, \$15.75 to \$16.25.
Old steel axles, \$17.75 to \$18.25.
No. 1 railroad wrought, \$14 to \$14.50.
No. 2 railroad wrought, \$12 to \$12.50.
Dealers' wrought, \$12 to \$12.50.
Old steel rails, \$12.50 to \$13.
No. 1 machinery, \$12.50 to \$13.
No. 1 steel, \$13 to \$13.50.

Old standard car wheels, \$13.75 to \$14.25.

Light castings, stove plates, \$9.75 to \$10.25.

Cast borings, \$6 to \$6.50.

Preliminary work in the way of clearing, surveys, etc., has begun on the site of the horseshoe and bar mill at Gordon Heights. The work is in charge of Mr. E. L. Penruddocke, consulting engineer of the company, and is being prosecuted by the Birmingham Construction Co.

The Republic Iron & Steel Co. has blown out one of its Pioneer furnaces at Thomas for the purpose of relining and making certain other needed repairs.

The furnace of the Woodstock Iron Co. at Anniston was blown out last week. Certain repair work is contemplated, but nothing definite to that end has been decided on. Just how long the stack will be out of blast is not known.

A \$1,000,000 Drainage Plan.

Plum Bayou drainage district of Jefferson County, Ark., has authorized the issuance of bonds for \$1,000,000, of which amount there will be \$930,000 issued at present to pay for the construction of a drainage system. This system will drain 210,000 acres of land owned by various parties, under a special law creating a taxing district wherein each acre of land pays for its proportion of benefit. The plans are for a system of canals to carry off the water, cut by dredge boats, and the engineers in charge are Messrs. Parks & White of Pine Bluff, Ark. Address the engineers for information regarding contracts and address James Gould, county judge, Pine Bluff, relative to the bonds.

Oklahoma City Improvements.

[Special Cor. Manufacturers' Record.]
Oklahoma City, Okla., January 20.

Six hundred thousand dollars' worth of street and sewer work will be prepared for letting by the last of February. Eighteen miles of street improvements, 25 miles of sanitary lateral sewers, 8 miles of drains and 4 miles of storm mains will constitute the spring improvement work as laid out by Mayor Scales and City Engineer Burke. Twenty-three miles of street work is under contract now, besides the sewer work, all of which will be completed by May 1, 1910. One million five hundred thousand dollars have thus far been expended on public thoroughfares.

GEO. B. SAUNDERS.

Bituminous Rock Products.

The Bituminous Rock Products Co. of Owensboro, Ky., has been incorporated with a capital stock of \$200,000 by J. S. Cottrell (secretary), S. Lambert, Mayor of Owensboro, and J. H. Hickman. This company announces it will probably install a plant of 100 tons or more capacity. It will manufacture granite blocks and curbs, building shapes, asphalt mastic, pulverized bituminous rock, linedust, lime, refined asphalt and all by-products of bituminous rock.

Sugar Refinery for Charleston, S. C.

A charter has been granted at Dover, Del., to the Southern Sugar Refinery, the incorporators being Messrs. James S. Grant, George S. Stiegler and Harry A. Pierce of Wilmington, Del. The capital stock is \$9,000,000, and it is understood the company intends building its plant at Charleston, S. C.

It is estimated that 10,000 acres of land in Poinsett county and 8000 acres in Craighead County, Ark., will be planted in rice this season.

It is announced that the phosphate dealers of Florida will hold a convention at Tampa on February 17 for the purpose of organizing an association.

MINING

Four States Coal & Coke Co.

Incorporation of the Four States Coal & Coke Co., with offices in the Frick Building, Pittsburg, has been effected for the purpose of developing 6100 acres of coal lands in Marion county, West Virginia. The company is capitalized at \$5,000,000, and plans an initial expenditure of \$1,500,000 for mining facilities, and intends to develop its mines to an annual capacity of 1,000,000 tons. Officers of the company include John H. Jones of Pittsburg, president, and A. C. Beason, engineer in charge. Other details of this enterprise were reported in the MANUFACTURERS' RECORD last month, and in this connection it may be stated that Mr. Jones and associates of the Four States Coal & Coke Co. have also incorporated the Annabelle Coal & Coke Co., with a capital stock of \$100,000.

To Develop Fuller's Earth Deposits.

The Southern Fuller's Earth Co. will develop 940 acres of fuller's earth deposits in Florida, 400 acres being on the Seaboard Air Line Railway at Jamieson, Gadsden county, and 540 acres on Georgin, Florida & Alabama Railway at Getzlaff Switch, Gadsden county. At Getzlaff the company is erecting another plant. This company was reported incorporated some weeks ago with a capital stock of \$100,000, and its main offices are at Warren, Pa. Its officers are: President, C. W. Jamieson; vice-president and general manager, W. L. MacGowan; treasurer, P. S. Tarbox; secretary, T. H. Ellis, all of Warren.

Another West Virginia Development.

Another company whose purpose it is to mine coal and manufacture coke in West Virginia was announced a few days ago. This is the Hiorra Coke Co. of Uniontown, Pa., which has incorporated with a capital stock of \$200,000, all of which has been subscribed and \$35,000 paid in, for the purpose of operating in Preston county, West Virginia. Its incorporators include William A. Stone, A. Plummer Austin, William Hawkins, Geo. H. Boetz and Richard W. Austin, all of Uniontown.

Fuller's Earth Development.

The Midway Development Co. of Midway, Fla., has been incorporated with a capital stock of \$50,000 to develop fuller's earth deposits. L. C. Yeager of Tallahassee is president, and Jonah Britt of Midway is vice-president.

For Oleomargarine.

The Little Rock Board of Trade, Messrs. H. L. Remmel, president, and George R. Brown, secretary, has adopted a resolution calling upon the National Congress to enact legislation looking to a repeal or modification of the oleomargarine law, so that there may be increased manufacture and consumption of oleomargarine. The resolution asserts that the present law has enabled the dairy interests to exact high price for butter through the partial suppression of the manufacturers of oleomargarine.

The Queenstown and Love Point Transportation & Development Co. of Baltimore, Md., proposes to establish a regular steamboat line between Baltimore, Love Point and Queenstown, Md., and it is reported contemplates extensive improvements to its property at both of the latter places, erecting buildings of suitable character for amusements and laying out parks.

It is reported that E. A. Benson of Omaha, Neb., has purchased for \$90,000 a tract of 30,000 acres of land in Putnam County, Fla., which is to be thoroughly drained and divided into small tracts for Western settlers.

RAILROADS

[A complete record of all new railroad building in the South will be found in the Construction Department.]

CAIRO TO JACKSON.

Plans Announced for the Chicago, Memphis & Gulf Through Three States.

In connection with its offering of first mortgage 5 per cent. bonds which are being placed upon the market by Julius Christensen, Drexel Building, Philadelphia, the Chicago, Memphis & Gulf Railway Co. announces some of its construction plans in a letter written by President S. G. Latta.

This road, which was formerly known as the Dyersburg & Northern, extends from Dyersburg, Tenn., northward to Tiptonville, 31 miles, and it is intended to build a line from a point on the Ohio River (probably at or near Cairo, Ill., according to a map accompanying the bond circular) to Memphis, Tenn., and thence to Jackson, Miss. Construction is under way between Tiptonville, Tenn., and Hickman, Ky., 21 miles, and connection will be made at the latter point with the Nashville, Chattanooga & St. Louis Railway. At Dyersburg connection is made with the Illinois Central. The proposed line, it is stated, will furnish a water-level road between the points named. Arrangements have been made to secure entrance into Memphis, including ample terminal facilities.

It is said that funds required for building the different parts of the road have been provided for prior to the sale of the bonds for those sections. Official statements of the earnings on that part of the road now in operation show a gratifying increase during the last year. The engineer in charge of construction is Frederick A. Molitor, 79 Wall street, New York city.

According to the map, the line will run from Cairo southward not far from the east bank of the Mississippi River through Hickman, Tiptonville and other points to Memphis, Dyersburg being reached by a short branch. From Memphis the road continues via Itabena, Miss., and Yazoo City to Jackson. It will be about 325 miles long.

ST. LOUIS TO THE PACIFIC.

Construction Plans of a New Road Which Will Make a Through Line.

A letter from Quanah, Tex., says that C. E. Ensminger, chief engineer of the Quanah, Acme & Pacific Railway, has gone to Paducah, Tex., where he will survey a route for the extension of the road via Afton, Tex.; Roswell, Acme and Artesia, New Mexico, and thence to El Paso, Tex. The first link in this route, namely, that between Quanah and Paducah, was completed last month, and trains have been operated for the last three weeks. Postal service has just been put on and an express service will be installed immediately. At Quanah a general office building, shops, roundhouse and car sheds have been erected, and work is progressing on the station at Lazarre, Swearingen and Paducah.

When the survey is completed to El Paso construction will be resumed and pushed, the idea being to reach Roswell by January 1 next and El Paso by the middle of 1911. Connection is to be made at the latter point with the Rio Grande, Sierra Madre & Pacific Railway, which is now extending to the Gulf of California, thus making a direct line between Quanah and the western coast of Mexico on the Gulf of California, practically a Pacific coast route. At Quanah connection is made with the Frisco system, giving direct communication to St. Louis and Oklahoma City via the Oklahoma & Texas Railway. It is

claimed that this new line will be the shortest route from the Mississippi River at St. Louis and El Paso.

Important Bridge in Use.

The Norfolk & Southern Railway announces that on Sunday, January 23, it began the operation of trains over its long bridge across Albemarle Sound between Edenton and Mackey's Ferry, N. C. The use of this bridge, which is about five and one-half miles long, will save a great amount of time in the handling of trains, which have heretofore been transferred by means of a ferry steamer. Thus a passenger train which can run over the bridge in 28 minutes used to take 1 hour and 32 minutes to make the trip by steamer. A much greater saving is accomplished with freight trains. A 60-car freight train can cross the bridge in 40 minutes, which is an actual saving of 8 hours and 20 minutes.

Albemarle Sound is a wide but shallow body of water, and is described as being as calm as a mill pond. The bridge is constructed on piles, which are none of them less than 70 feet long, the longest being 95 feet. At high tide the deck of the bridge is more than 13 feet above water. There are two large draws for all vessels and five smaller spans through which gasoline motor boats can pass. One of the draws is a Scherzer roller-lift bridge, which gives 140 feet of open space for the passage of vessels. The other draw is a swing with a clearance of 35 feet on each side. The construction of the bridge required 4,000,000 feet of lumber, 1000 carloads of cypress piles, 250 carloads of steel and a trainload of spikes and bolts.

The Norfolk & Southern Railway Co. has 605 miles of track, and the completion of this remarkable bridge is expected to contribute extensively to its development as well as to the general increase of business throughout all that part of North Carolina which is served by its lines. The main line runs from Norfolk and Suffolk, Va., via Elizabeth City and Edenton to Washington, N. C.; thence west to Raleigh, the capital. South from Washington the line runs via New Bern to Morehead City to Beaufort, and to Goldsboro via Kinston. One of the company's branches is operated by electricity, namely, that between Norfolk, Cape Henry and Virginia Beach.

New Equipment, Rails, Etc.

The Chesapeake & Ohio Railway, says an official letter, has ordered the following equipment: Two Shay locomotives from the Lima (O.) Locomotive & Machine Co.; one Mallet compound locomotive from the American Locomotive Co., New York; four combination steel baggage and passenger cars; four steel passenger coaches and 1000 50-ton hopper cars from the Standard Steel Car Co., Pittsburg, Pa. The company has also ordered 20,600 tons of rails, thus: From the Maryland Steel Co., Sparrows Point, Md., 1000 tons of 100-pound rail and 8250 tons of 90-pound rail; from the Illinois Steel Co., Chicago, Ill., 11,350 tons of 100-pound rails. One-half of the total is to be delivered in March and one-half in April. These rails are of the American Railway Association type B. A press report says that the company is still in the market for 500 50-ton steel coke cars, 500 50-ton steel flat cars and 500 40-ton steel underframe box cars.

A press dispatch from Roanoke, Va., says that the Norfolk & Western Railway will begin work immediately at its own shops on the construction of 2000 steel coal cars, this being in addition to 3000 for which, as recently reported, the company will award contracts to other builders.

The Missouri & Northern Arkansas Railroad has, it is reported, ordered 20 freight

cars from the American Car & Foundry Co. of St. Louis.

The Missouri, Kansas & Texas Railway, according to a report from New York, has purchased 14,000 tons of rails, while the Harriman lines have bought 3500 tons and the Texas Central 2000 tons. The Baltimore & Ohio Railroad is said to have placed part of its order, but it is still expected to be a heavy purchaser.

An order for 8000 tons of bridge steel is reported pending in the market, this material being for the bridge over the Ohio River, to be jointly used by the Baltimore & Ohio and Louisville & Nashville railroads.

The Birmingham Railway, Light & Power Co., says a report from that city, contemplates purchasing this year 25 electric cars of the latest and best pattern.

The Nashville, Chattanooga & St. Louis Railway is reported to have ordered 1000 gondola cars of 40 tons capacity and 1000 box cars of 30 tons capacity from the Haskell & Barker Car Co. of Michigan City, Ind.

The Atlantic Coast Line, according to a press report, placed its order with the Standard Car Co. of Pittsburg for 200 steel underframe flat cars of 30 tons capacity and 100 high side gondola cars of 40 tons capacity.

The Richmond & Henrico Railroad of Richmond, Va., has let contract to the Pennsylvania Steel Co. for eight miles of rails, delivery to begin immediately.

The Kansas City, Ozarks & Southern Railway of Mansfield, Mo., it is reported, will purchase two passenger and baggage cars of the semi-convertible type.

The Lexington & Interurban Railway of Lexington, Ky., has ordered from the J. G. Brill Company at Philadelphia two interurban cars. It is also reported in the market for three single-truck cars.

The Missouri, Kansas & Texas Railway's equipment order, according to a report, will include between 2000 and 3000 freight cars.

The Gulf, Texas & Western Railway has filed an equipment contract with the Haskell & Bartlett Car Co. for the purchase of 25 stock cars of 30 tons capacity, 10 gondola cars of 50 tons capacity and 3 cabooses, the equipment to be delivered by the end of January.

Western Maryland's Extension.

The Western Maryland Railroad Co. is expected to begin work within a month on the proposed extension from a point near Cumberland, Md., to New Haven, Pa., 83 miles, to make connection with the Pittsburg & Lake Erie Railway of the New York Central system, in accordance with the traffic agreement concluded as announced in the last issue of the MANUFACTURERS' RECORD. The engineers are now revising their work and preparing to order material for the construction. About 20 miles west of Cumberland it will be necessary to build a tunnel 3000 feet long, the longest on the line. About \$12,000,000 will be required to complete the extension.

From West Virginia comes the news that the Buckhannon & Northern Railroad, which is the name of the contemplated extension of the Pittsburg & Lake Erie into the West Virginia coal fields, has been granted a franchise at Morgantown, and preparations are being made to build this route, which will run from a point on the Pittsburg & Lake Erie line in the southern part of Pennsylvania via Morgantown, Fairmont, Grafton and other places in West Virginia to Belington, in that State, connecting there with the Western Maryland. When these two connections are completed the New York Central will be able to reach Baltimore and other eastern points via Cumberland and Charleston, W. Va., and other points

in that direction via Belington. It will take about two years to build the line between Cumberland and New Haven.

Georgia, Southwestern & Gulf.

A dispatch from Cordele, Ga., says that capitalists of that State and also from Eastern points have completed the organization of the Georgia, Southwestern & Gulf Railway Co., which proposes to build a line from Cordele, Ga., to St. Andrews Bay, Fla., it being proposed to acquire the Albany & Northern Railroad and make it part of the route. This latter runs from Cordele to Albany, 35 miles, and it is projected to build an extension from Albany to the Gulf. It is also intended to construct a line from Cordele to Hawkinsville, Ga., making connection for Charleston, S. C., by direct route. It is further said that a loan of \$4,000,000 has been secured in France for construction and equipment, and work is expected to begin immediately.

W. M. Legg, 534 Washington avenue, Macon, Ga., is president of the company, and T. H. Hazelrigg, 126 East Market street, Indianapolis, Ind., is engineer. Others reported interested are T. J. Shingler, vice-president; H. J. Bruton, secretary and treasurer, and S. D. Cherry, all of Donaldsonville, Ga., besides R. A. Lytle, A. H. Russell and W. H. Milton of Marianna, Fla. This plan has been under consideration for several years.

Road to Open Up Mineral Lands.

A letter from Jamestown, Tenn., to the MANUFACTURERS' RECORD, while remembering the recent increase of capital by the Davidson, Hicks & Greene Company of Nashville, says that they have completed a lumber line, and the cars are running to what is called Cooktown, seven miles from Wilde, which is on a branch railroad running out from Monterey on the Tennessee Central. Wilde is in the western part of Fentress county, and is a coal and lumber town. It says that the prospect is good for the Tennessee & Northeastern Railroad to commence grading inside of the next 90 days. This road will begin at Ravenscroft, Tenn., and will run through Johnson Stand, on the Tennessee Central, which reaches Jamestown. Thence it will go northeast to Winchester, on the Southern Railway. This road will pass through an unbroken forest. Fine coal and oil have been struck in a great many places.

Reported Traffic Agreements.

Dispatches from Nashville, Tenn., report that a traffic agreement has been concluded between the Tennessee Central Railroad and the Louisville & Nashville Railroad, and that the former will be extended from Harriman, Tenn., to Oliver Springs, connecting there with the Louisville & Nashville's line from Cincinnati to Atlanta.

The Kansas City, Mexico & Orient Railway is reported to have concluded a traffic agreement with the Chicago & Alton Railway which will enable it to reach Chicago and other prominent points, particularly those on the road in which Edwin Hawley is interested.

East Texas Traction Line.

Wm. Crooks, Seollard Building, Dallas, Tex., is making a survey for the East Texas Traction Co.'s projected line from Dallas to Terrell, Tex., about 33 miles, the route of which will probably be via Forney and Mesquite. This is through a rolling country. The company is not yet organized, but a preliminary association has been formed with Schuyler B. Marshall, president; E. W. Morten, Jr., vice-president, and C. L. Wakefield, secretary and manager. Mr. Marshall is a resident of Mesquite, Tex.; the others are

of Dallas. W. H. Gaston is chairman of the trustees.

Union Springs Extension.

J. W. Wright, Jr., general railroad contractor, of Union Springs, Ala., has closed a contract to build the proposed extension of the Union Springs & Northern Railroad from Fort Davis to Milledgeville, Ala., 20 miles. His contract provides for all grading, tracklaying and bridging, and the work is to be completed in four months. Considerable of it will be let. W. M. Blount of Union Springs is president of the railway.

To Abolish Damage Claims.

The Pennsylvania Railroad Co. will distribute a large number of copies of a pamphlet entitled "Packing for Export," which has been issued by the United States Department of Commerce and Labor. This distribution is part of the company's work to secure better packing of freight presented for shipment and thus reduce the number of damage claims. The pamphlet is illustrated.

Not After the Clinchfield.

Referring to a rumor that he is negotiating to obtain control of the Carolina, Clinchfield & Ohio Railroad and its extensive coal fields, Edwin Hawley, who controls the Chesapeake & Ohio Railway, wires the MANUFACTURERS' RECORD that there is absolutely no truth in the report.

Railroad Notes.

The Gulf Colorado & Santa Fe Railway, according to a press report, has begun construction of a passenger station 100 feet long and 40 feet wide at Alvin, Tex. It will be built of brick and concrete.

The Trinity Valley & Northern Railway will build an extension of 15 miles from Fouts to Rayburn, Tex. A. J. Wise is engineer in charge. Connection will be made with the Santa Fe system. L. Fouts is president, at Dayton, Tex.

A report from Houston, Tex., says that J. W. Robins, vice-president and general superintendent of the Rock Island lines in Texas, will become president of the Trinity & Brazos Valley Railroad on February 1, succeeding R. H. Baker, who recently resigned.

M. F. Amorous is reported to have been elected president of the Tampa & Northern Railway of Tampa, Fla., succeeding C. F. Ayer of Boston, resigned on account of pressure of other business interests. Mr. Amorous promoted the line and was active in securing its construction.

Daniel Willard, the new president of the Baltimore & Ohio Railroad, arrived in Baltimore on January 21, and immediately took charge as chief executive of the company. Oscar G. Murray, his predecessor, who has now become chairman of the board, will hereafter make his headquarters in New York city.

A dispatch from Knoxville, Tenn., says that R. L. Groome of that city has been appointed superintendent of construction of the Cullman (Ala.) Coal & Coke Co., which will build a railroad 25 miles long from Cullman to Juliana, Ala. Mr. Groome has been general agent for W. J. Oliver & Co. at Knoxville.

J. H. Carpenter of Columbia, Tenn., is reported elected president of the Nashville Interurban Railway, Nashville, Tenn., because H. H. Mayberry, his predecessor, has gone to Los Angeles, Cal., on account of illness in his family. This apparently places a temporary check upon the plans of the company for future extensions around Nashville. The line now in operation between Nashville and Franklin is being improved, and the rock ballasting of the track is nearly completed.

LUMBER

[A complete record of new mills and building operations in the South will be found in the Construction Department.]

Lumber Exporters Meet.

At a convention of the National Lumber Exporters' Association in Baltimore last week a resolution was adopted providing for the restriction of consignments of lumber only to foreign ports covered by contract, hoping by this action to keep the foreign market steady. It was also arranged to frame an agreement which the members of the association desire to make with steamship companies of New Orleans, providing for the companies to count lumber consigned to their ships and issue a clean bill of lading. The practice heretofore prevailing, it is stated, has been for the companies, in order to avoid counting the lumber, to issue a bill of lading with the provision of "more or less" inserted, so that in case of shortage the lumbermen have had difficulty in collecting claims. Resolutions were adopted requesting President Taft to send a message to Congress recommending the elimination of the publicity clause from the new corporation tax law. The following officers were elected: Harvey M. Dickson, Norfolk, president; Frederick Arn, Chattanooga, first vice-president; Edward Barber, Cincinnati, second vice-president; Richard W. Price, Baltimore, treasurer; Edward M. Terry, Baltimore, secretary and traffic manager; L. Palmer, New Orleans, assistant secretary. The board of managers recommended that the next convention be held at Memphis.

A Cooperage Company Incorporates.

For the purpose of manufacturing barrels, the Southeastern Cooperage Co. of Jacksonville has incorporated with a capital stock of \$50,000. It is the intention of the company to erect an extensive plant at or near Jacksonville and manufacture barrels for various purposes, making a specialty of turpentine and cottonseed-oil barrels. Officers of the company include M. E. Nussbaum, president; John J. Taylor, vice-president, and G. J. Scovill, secretary. Active preparations for the erection of the plant will begin within a few weeks.

Buys and Sells Timber and Mills.

A dispatch from Clyde, Miss., states that the A. G. Little Lumber Co. has sold its mill and timber rights to the Lamar Lumber Co., and has purchased 100,000,000 feet of long-leaf yellow pine timber on and near the New Orleans & Northeastern Railroad, about 40 miles north of New Orleans; a sawmill of 75,000 feet daily capacity; planing mill of 50,000 feet daily capacity and several thousand acres of land. It is stated that the company will install new equipment in the mills and begin operations within 60 days.

Lumber Notes.

The American Tie & Timber Co. of Brunswick, Ga., which operates extensively in railroad ties, has recently established an office in the Dyal-Upchurch Building, Jacksonville. The company's New York office is at 11 Broadway.

The Kentucky Retail Lumber Dealers' Association will hold its annual convention at Louisville on February 8 and 9.

The Arkansas Association of Lumber Dealers held its semi-annual convention at Little Rock last week.

The Producers' Turpentine Association, Newton R. Wilson, Beaumont, president, will hold a meeting at Elizabeth, La., on February 8.

The North Carolina Lumber Co. of Lake Waccamaw, N. C., has been incorporated with a capital stock of \$125,000 by Francis B. Gault and associates.

TEXTILES

Correspondence relating to textile matters, especially to the cotton-mill interests of the South, and items of news about new mills or enlargements, special contracts for goods, market conditions, etc., are invited by the MANUFACTURERS' RECORD. We shall be glad to have such matters at all times, and also to have any general discussion relating to cotton matters.

The Panola Cotton Mills.

The Panola Cotton Mills of Greenwood, S. C., will be organized with a capital stock of \$300,000 by F. S. Evans, Geo. H. Taylor, Ben T. McKeller, S. H. McGhee and others. Mr. Evans was mentioned last month as planning a mill company.

This company will erect buildings and install about 10,000 spindles, 300 looms, etc., for manufacturing cotton cloth. It will use steam power. Lockwood, Greene & Co., 93 Federal street, Boston, Mass., are the engineers in charge.

Inverness Mills Co.

The Inverness Mills Co. of Winston-Salem, N. C., has organized and will build a gray goods mill of about 10,000 spindles and 300 looms, probably driven by electric power. It was mentioned last week as incorporated, etc., and has an authorized capital stock of \$200,000. A site of 12 acres has been purchased and construction will begin soon. Lawrence McRae, formerly secretary-treasurer of the Rhode Island Co., Spray, N. C., will have full charge.

The Keystone Finishing Mills.

John H. Tate, 324 North Main street, High Point, N. C., will organize the Keystone Finishing Mills to establish a plant at Burlington, N. C. The company will dye, finish, box and sell hosiery. This enterprise was mentioned lately as the Keystone Hosiery & Finishing Co.

The Senoia Duck Mill.

The Senoia (Ga.) Duck Mill has awarded contract to J. W. Minter for the erection of its building—brick, rock and cement foundation, 94x267 feet. This company was reported incorporated last week with a capital stock of \$100,000.

The Wellford Manufacturing Co.

The Wellford Manufacturing Co. of Wellford, S. C., has been incorporated with a capital stock of \$40,000 by Vernon Muckenfuss and W. M. Jones of Spartanburg, S. C.

The Lowe Additions.

The Lowe Manufacturing Co. of Huntsville, Ala., will expend about \$80,000 to erect the addition and install the 300 looms mentioned last week. It has awarded the contract for machinery.

The Brogon Mill.

The Brogon Mill of Anderson, S. C., has not determined the extent of the additional machinery mentioned last week as to be installed. This company will probably decide within 30 days.

Textile Notes.

The recent report that the Pearl Cotton Mills of Durham will build a bleachery was an error.

John C. Brazelton is promoting the organization of the Baillinger (Tex.) cotton-mill company mentioned recently.

Messrs. J. S. Wannamaker, J. A. Merritt, Shep Pearlstone and others of St. Matthews, S. C., plan the organization of a \$100,000 company to build a cotton mill.

It is understood that W. H. Gill, chairman of the Penitentiary Board, Houston, Tex., contemplates preparing for the erection of the cotton mill for which the Texas Legislature appropriated \$100,000 several months ago.

GOOD ROADS

WEEK'S HIGHWAY RECORD.

Progress in Southern Road and Street Improvement.

[Full details of highway undertakings are given in the Construction Department.]

Bonds Voted.

Randleman, N. C.—Randleman Township voted \$50,000 bond issue for fourteen and a half miles of road improvements.

Bonds to Be Voted.

Huntingdon, Tenn.—City votes February 5 on \$10,000 bond issue for improving streets, sidewalks, etc.

Roanoke, Va.—City votes March 24 on \$285,000 bond issue for street improvements.

Wichita Falls, Tex.—City votes February 18 on \$40,000 bond issue for paving.

Contracts Awarded.

Atlanta, Ga.—City awarded contract for wood-block paving on Marietta street.

Oklahoma City, Okla.—Cemetery Board awarded contract at \$6000 for paving one mile of cemetery drives.

Oxford, N. C.—Granville County Commissioners awarded contract for 20 miles of public roads.

Contracts to Be Awarded.

Baltimore, Md.—City opens bids February 2 for paving Pier 6 with vitrified blocks.

Galveston, Tex.—County Auditor opens bids February 7 for repairing one mile of road.

Lexington, Ky.—City contemplates expending \$150,000 to construct three miles of streets.

Oklahoma City, Okla.—City opens bids January 31 for sheet asphalt on South Robinson avenue.

Raleigh, N. C.—City opens bids March 30 for laying about 25,000 square yards pavement.

Richmond, Va.—City opened bids January 27 for street improvements.

Enthusiasm for Roads.

Mr. W. P. Crumpacker, chairman of the Board of Botetourt county, Virginia, in a letter to the MANUFACTURERS' RECORD regarding his plans for building a road from Troutville to Fincastle, says that the work will be done under the supervision of the State Highway Commissioner and himself. There are in hand for the work \$3581.02 from the State, the same amount from his district funds and \$1500 raised by private subscription. Indicative of the enthusiasm for first-class highways is the fact that in the past two years Mr. Crumpacker has raised more than \$20,000 by private subscription for road work.

Road Politics.

The Alabama Good Roads Association plans to secure from every candidate in this year's gubernatorial campaign in the State a pledge to secure the enactment of a law to divert the funds derived from the lease of convicts to the building and improvement of highways.

Rock Island Improvement Work.

An official letter says that the Chicago, Rock Island & Pacific Railway intends to fully ballast its entire line between St. Louis and Kansas City, Mo. All of the embankments will be widened before the ballasting is done, and sags will be taken out wherever necessary. All long and high trestles will be filled in, reinforced concrete boxes being used to take care of the waterway. About 100 miles of new 85-pound rails will also be laid. J. B. Berry is chief engineer, and W. H. Petersen, principal assistant engineer, both at Chicago.

Construction Department

TO OUR READERS!

In order to understand and follow up properly the Construction Department items, please bear in mind the following statements:

EXPLANATORY

The MANUFACTURERS' RECORD seeks to verify every item reported in its Construction Department by a full investigation and complete correspondence with everyone interested. But it is often impossible to do this before the item must be printed, or else lose its value as news. In such cases the statements are always made as "rumored" or "reported," and not as positive items of news. If our readers will note these points they will see the necessity of the discrimination, and they will avoid accepting as a certainty matters that we explicitly state are "reports" or "rumors" only. We are always glad to have our attention called to any errors that may occur.

In correspondence relating to matters reported in this paper, it will be of advantage to all concerned if it is stated that the information was gained from the MANUFACTURERS' RECORD.

ADDRESS FULLY

To insure prompt delivery of communications about items reported in these columns, the name of one or more incorporators of a newly incorporated enterprise should be shown on the letter addressed to that town, or to the town of the individual sought, as may be shown in the item, as sometimes a communication merely addressed in the corporate or official name of a newly established company or enterprise cannot be delivered by the postmaster. This will help to insure prompt delivery of your communication, although it is inevitable that some failures on the part of the postal authorities to deliver mail to new concerns will occur.

WRITE DIRECT

It is suggested to advertisers and readers that in communicating with individuals and firms reported in these columns, a letter written specifically about the matter reported is likely to receive quicker and surer attention than a mere circular.

The Daily Bulletin of the Manufacturers' Record is published every business day in the year for the purpose of giving the earliest possible news in regard to new industrial, railroad and financial enterprises organized in the South. It is invaluable to contractors, manufacturers, engineers and all others who want to get in touch at the earliest moment with new undertakings or the enlargement of established enterprises. The subscription price is \$25 a year. All advertising contracts in the Manufacturers' Record extending over a period of three months include a subscription for the length of time of the contract to the Daily Bulletin.

BRIDGES, CULVERTS, VIADUCTS

Ark., Parkin.—St. Louis, Iron Mountain & Southern Railway, M. L. Byers, chief engineer, St. Louis, Mo., contemplates constructing bridge over St. Francis River near Parkin; another across White River at Augusta; another across Black River at Parquet, Ark.

Fla., Jacksonville.—Duval County Commissioners awarded contract to Converse Bridge Co., Chattanooga, Tenn., at \$13,030 to construct bridge across Six-Mile Creek; Phillips & Turnbull of Jacksonville at \$7755 for Little Pottsville Creek bridge, and to Canton (Ohio) Bridge Co. at \$3971 for Trout Creek bridge; Gail L. Barnard, County Engineer. (Recently mentioned.)

Fla., Palatka.—Trustees for Putnam County Bonds will open bids February 12 for construction of bridge across Etowah Creek, at Nanana Mills; R. F. Ensey, County Engineer. (See "Machinery Wanted.")

Ga., Atlanta.—City is considering construction of viaduct from Alabama street to the West End; R. M. Clayton, City Engineer.

Ga., Savannah.—Chatham County Commissioners, G. Reuben Butler, clerk, will open bids March 14 for constructing steel highway bridge, including foundations, over Herb

River, on La Roche Ave. (See "Machinery Wanted.")

Ky., Lexington.—Lexington Street Railway Co. awarded contract for construction of steel bridge on Lott St.; 90 feet 9 inches long, 10 feet high and 20 feet wide.

Miss., Money.—Le Flore County Board of Supervisors, Greenwood, Miss., will construct two iron bridges, one across Tallahatchie River at Money, and another across Yazoo River at Shell Bluff, Miss.; will receive plans and specifications until February 7; C. W. Crockett, clerk. (See "Machinery Wanted.")

N. C., Oxford.—Granville County Commissioners will open bids March 7 for raising 85-foot steel span 16 feet higher and for constructing two steel approaches to span named, each approach to be 75 feet long. (See "Machinery Wanted.")

Tenn., Gainesville.—Bridge will be built across Morton's Creek; bids will be advertised; D. B. Johnson, chairman of building committee.

Tenn., Memphis.—City will construct reinforced concrete culvert, 4.0x1.0 feet inside dimensions and about 555.0 feet long, on St. Paul Ave.; bids opened January 25; E. H. Crump, Mayor. (See "Machinery Wanted.")

Tex., Brady.—McCulloch county voted issuance of \$32,000 of bonds for construction of three bridges; one across San Saba River at Voca, to cost \$12,000; another across Colorado River at Waldrup, to cost \$18,000 to \$20,000; third across Colorado at Stacy, to cost \$10,000; bridge at Waldrup will be built jointly by McCulloch and Coleman counties, each bearing one-half expense. Address McCulloch County Commissioners. (Recently mentioned.)

Tex., San Antonio.—Bexar County Commissioners awarded contract at \$23,350 to H. B. Thompson & Co., Birmingham, Ala., to construct reinforced concrete bridge across Medina River on Pleasanton Rd.; Thomas E. Ramsay, County Auditor. (Recently mentioned.)

W. Va., Parkersburg.—Parkersburg Bridge Co. will expend about \$450,000 in construction of bridge across Ohio River from Parkersburg to Belpre, Ohio; steel; suspension type; 300 feet long; 24-foot driveway; double tracks for trolley line; sidewalks for pedestrians; floor of wooden paving blocks; will be of sufficient stability to carry 120,000-pound traction car; plans have been approved by Secretary of War and U. S. engineers. (Recently mentioned.)

CANNING AND PACKING PLANTS

Fla., Thonotosassa.—Thonotosassa Packing Co. incorporated with \$5000 capital stock; S. B. Aultman, president, Kissimmee, Fla.; A. W. Rigby, secretary-treasurer, Thonotosassa.

La., Greensburg.—Bertrand Baer is organizing company to establish cannery.

Mo., Baltimore.—Maryland Sanitary Packing Co. incorporated with \$5000 capital stock by Louis Sander, 4105 Massachusetts Ave.; Lillian V. Hartlove and Sophia Baquel, 128 West Pratt St.

CLAYWORKING PLANTS

Ala., Thorsby.—Brick.—Stahl Bros. purchased brick plant of L. J. Forsman; will install new machinery and operate.

Okla., Tulsa.—Tulsa Paving & Building Co. is proceeding with construction of proposed plants for manufacturing vitrified and stiff-mud brick; capacity per 10-hour day, 175,000; cost \$150,000.

Tex., Wichita Falls.—Brick and Tile.—Wichita Falls Brick & Tile Co. increased capital stock from \$60,000 to \$75,000.

COAL MINES AND COKE OVENS

Ala., Birmingham.—Northern Kentucky Coal Co. incorporated with \$25,000 capital stock; H. M. Morrison, Cleveland, O., is president.

Ala., Birmingham.—Gulf States Coal Co. incorporated with \$2000 capital stock; J. F. Williams, president; S. E. Jones, secretary-treasurer, both of Birmingham; J. F. Johnson, vice-president, Mobile, Ala.

Ala., Birmingham.—North Kentucky Coal Co. incorporated with \$25,000 capital stock by Frank Billings, E. K. Campbell, Forney Johnston and others.

Ala., Birmingham.—Douglas Coal & Coke Co. incorporated with \$10,000 capital stock;

John F. Douglas, president; James M. High-saw, secretary; Clinton S. McLarn, treasurer.

Ky., Browder.—Elk Valley Consolidated Coal Co. will organize with capital stock of \$1,500,000 to combine Wickliffe Coal Co. of Browder, Elk Valley Coal Co. of Elk Valley and Drakesboro Coal & Coke Co. of Drakesboro; properties include 13,500 acres coal land and four mines with daily output of 2500 tons coal; new company plans improvements, including erection of central power plant at Drakesboro, construction of telephone system, building of 50 miners' houses, etc.; C. D. M. Greer, Memphis, Tenn., will be president; others interested are Thos. B. Caldwell and Ed Manigan of Memphis, Benton McMillin of Nashville, Tenn.; Andrew Hogg of Drakesboro, Ky., and Carroll Curry of Monongah, W. Va.

Ky., Madisonville.—Eastern capitalists purchased mining rights on 35,000 acres of coal lands from William Lynch and associates.

Ky., Middlesboro.—Shamrock Coal & Coke Co., J. G. Sterchi, Knoxville, Tenn., president. Increased capital stock from \$30,000 to \$60,000 and contemplates improvements.

Ky., Middlesboro.—Edgewood Coal & Coke Co., J. L. Manning, president. Increased capital stock from \$30,000 to \$60,000 and contemplates improvements to facilitate handling coal.

Okla., Broken Arrow.—Adams Creek Coal Co. purchased steam shovel for \$18,000 for removing layer of earth from coal beds in Adams Creek district.

Tex., Bryan.—Dr. R. H. Harrison contemplates, it is reported, development of lignite mines.

W. Va., Barrackville.—Jamison Coal & Coke Co. plans construction of many coke ovens, coal washer and bleacher and steel tipple.

W. Va., Charleston.—It is reported that M. Guggenheim's Sons, 165 Broadway, New York, are negotiating for control of New River coal fields, comprising over 200,000 acres land; rumors state 80 per cent. of properties have been optioned at \$34,000,000, and that Harrison B. Smith of Charleston represents the New York firm in the transaction; Guggenheim's Sons write Manufacturers' Record: "There is nothing to be said at this time which would be of interest."

W. Va., Fairmont.—Annabelle Coal & Coke Co. incorporated with capital stock of \$100,000 by John H. Jones and associates of the Four States Coal & Coke Co., offices in Frick Bldg., Pittsburg, Pa. (See Four States Coal & Coke Co.)

W. Va., Farmington.—Jamison Coal & Coke Co., Frick Bldg., Pittsburg, Pa., has completed arrangements for proposed purchase (noted recently) of about 7300 acres of coal land from Georges Creek Coal & Iron Co., Equitable Bldg., Baltimore, Md.; purchase price \$2,200,000; buyer agrees to expend \$300,000 for further development, including sinking additional shafts, building tipples and constructing coke ovens.

W. Va., Fairmont.—Four States Coal & Coke Co. incorporated with capital stock of \$5,000,000 by John H. Jones, David G. Jones, Thos. P. Jones, E. F. Miller and Stephen Stone, all of Pittsburg; offices in Frick Bldg., Pittsburg, Pa.; will develop 6100 acres Marion county coal land; plans expenditure of \$1,500,000 for initial facilities; annual output to be 1,000,000 tons coal; John H. Jones is president and A. C. Beason engineer in charge. (Other details reported last month, when company's complete plans were announced.)

W. Va., Mullens.—W. H. Thomas of Crystal Coal & Coke Co. will erect steel tipple near Mullens preparatory to developing new mines.

W. Va., Hiorra.—Hiorra Coke Co. incorporated with \$200,000 capital stock by William A. Stone, A. Plummer Austin, William Hawkins, George H. Boetz and Richard W. Austin, all of Uniontown, Pa.

CONCRETE AND CEMENT PLANTS

Ala., Castleberry.—Dr. Perry L. Hobbs, 2047 East 9th St., Cleveland, Ohio, is reported as planning construction of Portland cement plant near Castleberry.

Ala., Ragland.—Atlantic & Gulf Portland Cement Co. is, it is reported, having plans prepared for construction of additions to plant; latter now in course of construction for daily output of 2000 barrels cement, with provision for increase to 3000 barrels; president, Wm. B. Shaffer, Nazareth, Pa. (Details stated previously.)

Ala., Ragland.—Atlantic & Gulf Portland Cement Co. will decide during next two weeks as to proposed increase of daily capacity from 2000 barrels to 3000 barrels Portland cement; plant as originally designed is now under construction; Wm. B. Shaffer, president, Nazareth, Pa.

Tenn., Kingsport.—Cinchfield Portland Cement Corporation organized to build plant lately reported; concrete and steel construction for buildings; machinery for daily output of 3000 barrels cement; capital stock probably \$300,000; general office, Nazareth, Pa.; engineer in charge, John A. Miller of Nazareth; president, John A. Miller; vice-president, Mark W. Potter, chairman of Carolina, Clinchfield & Ohio Railway, 24 Broad St., New York; general manager, S. Henry Harrison of Nazareth.

COTTON COMPRESSES AND GINS

Ga., Norman Park.—K. W. Horne will install 4-80-saw gin.

Ga., Marshallville.—S. H. Rumph will establish cotton gin and cottonseed-oil mill.

Ga., Tifton.—Tifton Mill & Gin Co. incorporated with \$8000 capital stock by J. W. Hollis, O. K. Jekis, Quitman, Ga., and others; is company recently noted to purchase J. W. Hollis' cotton gin, to install four-gin outfit, enlarge plant and establish girt, rice and feed mills.

Ga., Waycross.—Company incorporated with \$20,000 capital stock by John F. Myers, J. L. Crowley and W. Peacock to establish cotton gin, etc.

Tenn., Covington.—Gilt Edge Cotton Gin incorporated with \$2400 capital stock by L. C. Moore, J. H. Sloan, J. W. McDow and others.

Tex., Princeton.—Farmers' Independent Gin Co. will erect proposed cotton gin; cost \$5000.

Tex., Sprinkle.—Sprinkle Cotton Gin Co., H. A. Johnson, president, has plans by Continental Gin Co. of Birmingham, Ala., for building recently reported burned; ironclad construction; cost \$3000; construction by owner; cost of machinery \$6500; daily capacity 50 bales of cotton. (See "Machinery Wanted.")

Tex., Tom Bean.—Seay Gin Co. incorporated with \$10,000 capital stock by H. Seay, J. H. Caldwell and P. H. Luby.

Tex., Woodward.—J. C. Lacy is planning to establish cotton gin; cost \$10,000.

COTTONSEED-OIL MILLS

Ga., Douglas.—Mr. Hiseock, Atlanta, Ga., contemplates establishment of oil mill and fertilizer factory.

Ga., La Grange.—Farmers' Cotton Oil Co. (recently reported incorporated with \$30,000 capital stock by G. S. Edmundson and others) will erect building and install machinery, trackage, etc., for handling raw and finished materials.

Ga., Marshallville.—S. H. Rumph will establish cottonseed-oil mill.

DRAINAGE AND IRRIGATION SYSTEMS

Ark., Bald Knob.—Bald Knob Drainage Commission contracted with Michael Cooke & Co., civil engineers, Joplin, Mo., to make survey of district comprising 95,000 acres.

Ark., Pine Bluff.—Pine Bluff Drainage District plans call for system of canals to carry off water cut by dredgeboats; district comprises 210,000 acres of land; amount of bond issue for the work, \$930,000; engineers in charge, Messrs. Parks and White, Pine Bluff, Ark. Address engineers. (Recently noted.)

Fla., West Teco.—E. A. Benson of Benson & Carmichael, Omaha, Neb., purchased 30,000 acres of land on St. John's River and will divide into 20 and 40-acre tracts; entire property is to be thoroughly drained and artesian wells driven on each subdivided tract; headquarters will be established at West Teco, where several buildings are being erected, including small hotel.

La., New Orleans.—Edward Wisner completed arrangements with D. R. Niver, president, and S. S. Speer, vice-president, of Trowbridge & Niver, Chicago, Ill., by which latter firm will underwrite bonds for \$1,500,000; will invest proceeds to drain and settle large portion of more than 1,000,000 acres wet lands Mr. Wisner has been accumulating during past 15 years; bond issue will include 50,000 acres in vicinity of Bayou La Fourche,

and drainage of entire tract will be undertaken without delay; plans include complete drainage by canals, levees, lateral ditches and pumping plants; incidentally will transmit electricity for power and lighting on farms; engineer in charge will probably be the Arnold Company, W. H. Rosecrans, chief, 181 La Salle St., Chicago, Ill.

Tex., Alvin.—Alvin Drainage District voted issuance of \$196,000 of bonds for drainage. Address District Commissioners.

Tex., Brownsville.—Ohio-Texas Sugar Co., F. H. Lindenberg, president, is arranging to tile-drain entire plantation, which includes several thousand acres; placed orders for tiling, which will be laid this year, to drain 600 acres; tile will be from three to eight inches in diameter and will be placed 300 feet apart at depth of from four to five feet; if desired results are not obtained at this width, another tiling will be laid directly between those laid, which will give distance of 150 feet apart.

Tex., Grandfalls.—Grandfalls Drainage District Commissioners, J. B. Smith, president, will open bids February 23 for construction of drainage system; date postponed from January 22; A. H. Dunlap, engineer. (See "Machinery Wanted.")

Tex., Mission.—Mission Land Improvement Co., which is under contract to irrigate third lift land (including property of W. J. Bryan), awarded contract to Minneapolis (Minn.) Steel & Machinery Co. for two 24-inch pumps; one for auxiliary at river, other to supply water for third lift; this will increase company's irrigated acreage 9000 acres; two pumps will have joint capacity of 70,000 gallons per minute and cost about \$50,000; during time intervening between placing order for machinery and its arrival, estimated to require 30 days, work of constructing third lift canal and excavating pit for pumping machinery will proceed.

Tex., Port Arthur.—Port Arthur-Nederland Drainage District defeated \$150,000 bond issue for drainage improvements. Address Jefferson County Commissioners, Beaumont, Tex. (Recently mentioned.)

ELECTRIC-LIGHT AND POWER PLANTS

Ala., Bessemer.—City is considering construction of electric-light plant; estimated that 500-kilowatt plant of 20,000 16-candle-power lamps capacity can be erected for from \$80,000 to \$100,000; William Hugh McEnery, City Engineer.

Ala., Russellville.—George C. Thornton, president Russellville Manufacturing & Development Co. and associates will construct electric-light plant.

Ark., Hamburg.—City will install water-works and electric-light plant; bond issue, \$30,000. Address Dr. W. L. Blanks.

Fla., Madison.—Madison Electric Co., J. W. Reeve, Jr., manager, is considering extension and improvement of transmission lines.

Fla., West Palm Beach.—Ariston Ice & Electric Co., H. C. Adams, local manager, contemplates installing additional 60-kilowatt generator and engine and making other improvements to electric-light system.

Ga., Lavonia.—City Council awarded contract to Charles P. Edwards and W. N. Edwards for construction of electric-light and power plant; will construct concrete dam at Parker's Mill, where it is estimated minimum of 100 horse-power can be developed; General Electric Co., Southern office, Empire Bldg., Atlanta, Ga., has contract to install machinery, construct transmission line and wire city. (Recently mentioned.)

Ky., Drakesboro.—Elk Valley Consolidated Coal Co., C. D. M. Greer, president, Memphis, Tenn., plans erection of central plant to furnish electricity for mines at Drakesboro, Browder and Elk Valley.

Ky., Paris.—Paris Electric Light & Power Co. awarded contract to Hatfield Baffert for extension to plant recently noted; ordinary construction; cost of addition \$3000; will install boilers, engines, generators, etc., to cost about \$15,000; machinery proposals opened; S. L. Allen, purchasing agent.

Ky., Paintsville.—G. A. Northcott, Huntington, W. Va., is interested in construction of electric-light plant and water-works to cost \$40,000.

Miss., Ruleville.—Ruleville Light, Ice & Coal Co. will rebuild electric-light plant recently reported burned.

Mo., Chillicothe.—City is having plans prepared by Fuller Consulting Engineering Co., 721 Olive St., St. Louis, Mo., for electric-light plant, for which \$50,000 bond issue was recently reported voted.

N. C., Canton.—Canton Lighting Co. incor-

porated with \$25,000 capital stock by J. N. Mease, G. N. Henson and others.

N. C., Charlotte.—Charlotte Power Co., recently incorporated with capital stock of \$300,000, has organized with following officers: President, W. S. Lee, Jr., vice-president and chief engineer of Southern Power Co.; vice-president, A. V. Harrill; secretary, L. C. Harrison; treasurer, W. H. Martin; new company takes over local electric lighting and power contracts of Southern Power Co.; offices in Trust Building.

N. C., Durham.—Durham Traction Co. will erect 30-foot addition to power-house and install slow-speed Corliss engine of 1500 horse-power.

Okla., El Reno.—El Reno Interurban Railway Co. will install electric plant to furnish electricity to operate electric railway, etc.; machinery said to be purchased.

S. C., Greenville.—Southern Power Co., W. S. Lee, Jr., chief engineer, Charlotte, N. C., has purchased, it is reported, 20 acres of land at \$9500 as site for erection of emergency electric plant transmitting 15,000 to 20,000 horse-power.

S. C., Rock Hill.—City will vote February 24 on issuance of \$35,000 of bonds for electric-light plant. Address The Mayor.

Tenn., Huntingdon.—City will vote February 5 on issuance of \$10,000 of bonds for extending electric lights to East End, etc. Address The Mayor. (See "Road and Street Improvements.")

Tenn., Rogersville.—Rogersville Electric Light & Power Co. (W. D. Harmon, J. W. McDonald Sons and others) will petition for franchise to transmit electricity for lighting streets, buildings, etc.

Tex., Bryan.—City granted franchise to Mr. Cleaver and associates for electric-light plant and water-works; estimated cost, \$60,000.

Tex., Orange.—Yellow Pine Paper Mill Co. is proceeding with erection of power plant on Sabine River to operate paper mill (contract for brick and cement work recently noted awarded to T. W. Ellis, Orange); will install tubular boilers and steam turbine driven generator, 70 K. M. capacity; machinery purchased.

Tex., San Benito.—San Benito Land & Water Co., Alva Heywood, president, awarded contract to Fairbanks-Morse Company, Washburn Ave. and Eldridge Pl., Chicago, Ill., for installation of plant recently noted; combination city water plant and electric-light and power plant; contract price for machinery, including six-inch water mains and wiring, \$25,000; capacity of lighting plant, 1000 16-candle-power lights, with capacity of increasing to 2500; construction of building has commenced; building plans allow for installation of ice plant in future.

Tex., Woodward.—Hust & Brundage and J. S. Sweet, San Antonio, Tex., contemplate constructing electric-light and power plant. (See "Land Developments.")

FERTILIZER FACTORIES

Ga., Crawford.—Crawford Guano Co. organized with \$10,000 capital stock; J. A. Roland, president; E. P. Burt, vice-president; P. W. Hudson, secretary.

Ga., Douglas.—Mr. Hiscock, Atlanta, Ga., contemplates establishment of fertilizer factory and oil mill.

Va., Richmond.—D. B. Martin Company incorporated with \$50,000 capital stock; Joseph J. Martin, president; H. Lammetz, vice-president, both of Philadelphia, Pa.; William S. Rhodes, secretary, Richmond.

FLOUR, FEED AND MEAL MILLS

N. C., Overford, R. F. D. No. 1.—Gooch Milling Co. incorporated with \$50,000 capital stock by Z. V. Pate, M. B. Nicholson and Lillie Nicholson.

N. C., Pembroke.—Raft Swamp Co-operative Milling Co. will establish flour mill; capacity 30 barrels daily; cost \$3000.

Okla., Oklahoma City.—Darlington Mill Co. will increase capital stock from \$10,000 to \$25,000.

Tenn., Humboldt.—Humboldt Milling Co. incorporated with Thomas Polk, president; J. H. Thomas, vice-president; A. R. Dodson, secretary-treasurer; T. F. Stubbs, general manager.

Tex., Knox City.—Knox City Milling Co. incorporated with \$15,000 capital stock by W. W. Warren, J. W. Moore, Marvin Swell and others.

FOUNDRY AND MACHINE PLANTS

Ala., Woodlawn.—Pumps.—Birmingham Manufacturing Co. incorporated with \$35,000 capital stock; W. A. Gibson, president, Bir-

mingham, Ala.; will erect building 60x100 feet at La Cross Station, near Woodlawn, and will equip for manufacturing pumps and plumbers' supplies. (Recently mentioned.)

Ky., Louisville.—Iron Works.—Ewald Iron Co., recently reported incorporated with \$500,000 capital stock, is reincorporation of Ewald Iron Co.; continues operation of mills, manufacturing staybolt iron; Baylor Hickman, president and general manager; L. W. Botts, vice-president and treasurer; C. H. Gibson, secretary.

Ky., Lexington.—Electrical Machinery, etc. Siebert-Henderson Electric Co. incorporated by F. O. Siebert, J. W. Thacker and J. P. Herndon.

Md., Baltimore.—Ice and Refrigerating Plants.—Hilltop Turbine Co. incorporated with \$5000 capital stock by Henry H. Geiglein, 105 North Gay St.; Thos. L. Crape and James J. Carmody, Equitable Bldg.

N. C., Charlotte.—Steam Boilers, Bridges, etc.—Hugh Donovan, Jr., proprietor of South Side Boiler Works, Cairo, W. Va., contemplating establishing plant lately mentioned, has made no decision.

N. C., Red Springs.—Plows, etc.—Universal Plow Co. incorporated with \$60,000 capital stock by J. Allen Huggins and others.

N. C., Wilmington.—Car-repair, Works.—Tidewater Power Co., Hugh McRea, president, 27 North Front St. (recently noted to erect repair shop) will open proposals February 2 on 50x110-foot building of mill construction; machinery proposals to be opened same date; A. B. Skelding, manager. (See "Machinery Wanted.")

S. C., Spartanburg.—Iron Works.—Andrews-Carter Iron Works incorporated with \$10,000 capital stock by Isaac Andrews and Asa Carter.

Tennessee—Gas Plants.—Eason-Severance Syndicate incorporated with \$25,000 capital stock by Allen S. Eason, Huntington, Tenn.; V. C. Severance, Chicago, Ill. (inventors) and others; will establish plant for making patented gas plants for manufacturing gas by cold process.

Tenn., Memphis.—Airsheps.—Steingruber Air Machine Co. incorporated with \$5000 capital stock by William Bergschicker, George Steingruber, L. Schumaker and others; to manufacture airships.

Tex., Penn City, P. O. Houston.—Car Foundry.—Company will be incorporated with \$1,000,000 capital stock to establish plant for manufacturing cars, making specialty of Dewey system refrigerator cars, controlled by Ellsworth A. Dewey, Houston; has option on 160-acre site for location.

Tex., Temple.—Machinery, etc.—Temple Foundry & Machine Co. will increase capital stock to \$50,000 and increase scope of operations.

GAS AND OIL DEVELOPMENTS

Ark., Prescott.—Arkansas Natural Gas Co., Little Rock, Ark., has 30-year franchise to furnish city with natural gas.

N. C., Charlotte.—Indian Refining Co., Cincinnati, O., is establishing distributing plant recently noted; lubricating oils and greases, also burning oils and gasoline; last two named to be distributed through tank wagon; F. G. Tullidge, agent.

Okla., Choteau.—G. W. Eaton, B. H. Hester, M. E. Adkins, J. E. Whitaker and Geo. A. Schmitt will organize company with \$50,000 capital stock to pipe natural gas to Choteau and Pryor Creek; Mr. Schmitt's address is Claremore, Okla. (Recently mentioned.)

Okla., Muskogee.—Jolly-Gertz Oil Co. incorporated with \$10,000 capital stock by H. L. Jolly, Fred Gertz, Jr., and Max E. Moore.

Okla., Sallisaw.—Sallisaw Oil, Gas & Mining Co. incorporated with \$6000 capital stock by W. W. Wheeler, D. P. Delaney, Luther Kyle and others.

Okla., Tulsa.—Apex Oil Co. incorporated with \$10,000 capital stock by G. T. Braden, J. H. Evans and Manuel Hirsch.

Okla., Wauwette.—Wauwette Oil & Gas Co. incorporated with \$100,000 capital stock by T. B. Dumas, Shawnee, Okla.; C. A. Harrell and E. R. Burton, both of Wauwette.

W. Va., Brooke County.—Porter Oil & Gas Co. incorporated with \$8000 capital stock by N. A. Sutton, H. L. Sutton, both of New Cumberland, W. Va.; James M. Porter, W. D. Porter and James M. Todd, all of Pittsburgh, Pa.

W. Va., Lewisburg.—White Rock Oil Co. incorporated with \$25,000 capital stock by R. B. Holt, Charles S. Dice, H. L. Van Sicker and others.

W. Va., Parkersburg.—Regal Drilling Co. incorporated with \$5000 capital stock by L.

D. Dunsmoor, C. L. Brown, Charles B. Braden and others.

West Virginia.—Great Elk Oil & Gas Co. incorporated with \$10,000 capital stock by James McEvoy, Jr., 807 Park Ave.; Joseph Townsend England, Frank J. Hoen and others, all of Baltimore, Md.

West Virginia.—Carbon Hill Oil & Gas Co. incorporated with \$10,000 capital stock by James McEvoy, Jr., 807 Park Ave.; Joseph Townsend England, Frank J. Hoen and others, all of Baltimore, Md.

ICE AND COLD-STORAGE PLANTS

Ark., Little Rock.—Little Rock Ice Co. placed order with Frick Company, Waynesboro, Pa., for 24-ton ice plant.

Fla., Hastings.—Hastings Cold Storage Co. placed order with Frick Company, Waynesboro, Pa., for 14-ton ice-making compression system; eight-ton improved flooded freezing system; eight-ton distilling system and storage piping.

Fla., Lakeland.—Lakeland Ice & Refrigerating Co. placed order with Frick Company, Waynesboro, Pa., for 20-ton ice plant and compression system.

Fla., Mulberry.—E. H. Dudley will erect addition to ice plant and increase daily capacity from 10 to 20 tons of ice.

Ga., Dalton.—Dalton Ice Co. organized with \$25,000 capital stock by T. B. Wright (manager), Murray, Ky., and others; purchased site for proposed plant.

La., Shreveport.—Shreveport Ice Cream Factory placed order with Frick Company, Waynesboro, Pa., for 10-ton ice-making compression system, five-ton improved flooded freezing and distilling systems.

N. C., New Bern.—People's Ice Co., J. J. Wolfenden, president, has ordered machinery for 50-ton ice plant recently noted to be established.

Okla., Edmond.—Edmond Ice Co., H. R. Hudson, manager, ordered machinery from Frick Company, Waynesboro, Pa., for 12-ton ice plant previously noted to be established.

Mo., Lexington.—Ernest Hoffman, Sr., placed order with Frick Company, Waynesboro, Pa., for 50-ton refrigerating machine and compression system; also 20-ton distilling system; installation in brewery.

Mo., Little Rock.—John Hague, St. Louis, Mo., placed order with Frick Company, Waynesboro, Pa., for six-ton refrigerating machine.

Mo., Hornersville.—John Hague, St. Louis, Mo., placed order with Frick Company, Waynesboro, Pa., for 10-ton refrigerating machine for fishhouse at Hornersville.

Mo., St. Louis.—Western Refrigerator & Manufacturing Co. incorporated with \$12,000 capital stock by Gustave Hazeltine, Fred Wettkopf and F. C. Books.

S. C., Charleston.—Thos. W. Carroll placed order with Frick Company, Waynesboro, Pa., for five-ton ice plant and compression system.

S. C., Conway.—Conway Ice Co. incorporated with \$3000 capital stock.

Tex., Anahuac.—Anahuac Ice Co. has ordered from Frick Company, Waynesboro, Pa., six-ton ice plant and compression system, improved flooded freezing system, distilling and boiler systems.

Tex., Fort Worth.—Armour & Co., Chicago, Ill., has placed order with Frick & Co., Waynesboro, Pa., for installation of 150-ton improved flooded freezing system.

Tex., Kenedy.—R. J. Scarborough, Yoakum, Tex., placed order with Frick Company, Waynesboro, Pa., for two-ton refrigerating machine and compression system and storage piping.

Tex., San Benito.—San Benito Land & Water Co. plans for building allow for installation of ice plant in future. (See "Electric Light and Power Plants.")

Tex., Silsbee.—Silsbee Ice & Manufacturing Co. (previously reported incorporated with \$40,000 capital stock by Hugh Hamilton and others of Navasota, Tex.) placed order for machinery with Frick Company, Waynesboro, Pa.

Tex., Somerville.—Giddings, Havecotte & Kiel have placed order with Frick Company, Waynesboro, Pa., for installation of 12-ton ice plant and compression system.

Va., Urbanna.—Middlesex Manufacturing and Mercantile Corporation, J. Richwine, president and treasurer (recently noted incorporated), placed order with Frick Company, Waynesboro, Pa., for 10-ton ice plant, including freezing, distilling and boiler systems.

W. Va., Parkersburg.—Parkersburg Ice & Coal Co. will install additional machinery, consisting of condenser and ice-making machine, manufactured by De La Vergne Ma-

chine Co., foot of West 138th St., New York; cost of improvements \$15,000.

W. Va., Sistersville.—Ohio Valley Brewing Co. incorporated with \$150,000 capital stock by George W. Hartman, McKeesport, Pa., and others. (See "Miscellaneous Manufacturing Plants.")

IRON AND STEEL PLANTS

Ala., Birmingham.—Iron Furnaces, etc.—Jemison Coal, Iron & Steel Co. incorporated with capital stock of \$125,000; president and treasurer, Alan L. Jemison; vice-president, J. W. Brazeal; secretary, H. S. Hartzell.

Ala., Boyles, P. O. Birmingham.—Iron Furnaces.—Birmingham Coal & Iron Co., James Bonnyman, general manager, Atlanta, Ga., will install two blowing engines, which will give to Vanderbilt furnaces sufficient power to operate both stacks at same time.

Md., Baltimore.—Structural Steel.—Baltimore Bridge Company, Minor C. Keith, president, Bush St. and Baltimore & Ohio Railroad, will erect addition to plant at Bush and Gunpowder Sts.; steel and galvanized iron; 50x125 feet; cost \$6000; structural steel supplied; machinery will be installed.

Mo., Valley Park.—Structural Steel.—Steel Roof Truss Co., recently reported incorporated (under "Miscellaneous Enterprises") will establish plant at Valley View for fabrication of structural steel; building will be 175 feet long, of steel construction; cost \$25,000. J. H. Koehler is president and treasurer; Francis H. Krenning, vice-president, and H. A. Ferguson, secretary and general manager.

Va., Lynchburg.—Bridges, etc.—Priest Bridge Co., incorporated with \$25,000 capital stock; A. E. Priest, Lexington, Ky., president; W. R. Winfree, secretary, and A. B. Percy, treasurer, both of Lynchburg.

LAND DEVELOPMENTS

Ala., Birmingham.—Valley Investment Co. incorporated by John D. Dabney, Jr., John D. Dabney, Sr., and Richard V. Evans.

Ala., Birmingham.—Suitable Land Co. incorporated with John E. Kirkpatrick, president; J. H. Shearer, secretary-treasurer; J. F. George, vice-president.

Ala., Birmingham.—Greater Birmingham Land Co. incorporated with \$50,000 capital stock; N. O. Tyler, president; John L. Tyler, vice-president and secretary.

Fla., Jacksonville.—Maxville Farm & Development Co. incorporated with \$300,000 capital stock; W. K. Sligh, president, Newberry, S. C.; W. S. Jordan, vice-president; J. R. Stone, secretary, both of Jacksonville; S. P. Wiley, treasurer, Richmond, Va.

Md., Baltimore.—Bruner R. Anderson, Law Bldg., purchased 460 acres of land near Magdohy River and will develop for summer home sites.

Miss., Grenada.—Postal Land Co. incorporated with \$30,000 capital stock by C. W. Priestly, J. W. Burton and others.

Miss., Pass Christian.—Fort Henry & Gulf Coast Realty Co. incorporated with \$23,000 capital stock by C. R. Rollison, A. L. de Jeng, Wesley Williams and others.

Miss., Pass Christian.—Fort Henry & Gulf Coast Realty Co. incorporated with \$25,000 capital stock by Charles R. Rollison, New Orleans, La.; A. L. De Jong, Wesley Williams and others of Pass Christian.

Tennessee.—East Tennessee Development Co. incorporated with \$99,900 capital stock by J. W. Abraham, M. B. Mabson and D. T. Blakey, all of Montgomery, Ala.

Tenn., Nashville.—Arthur Ransom, Robert Lusk, R. T. Wilson, Jr., and others are negotiating for 50 acres of land; plan to cut streets through, subdivide into lots and make other improvements.

Tex., Chapin.—Chapin Improvement Co. incorporated with \$9000 capital stock by William Doughty, John Clossner and George P. Brown.

Tex., Kildare.—North Texas Land Co. incorporated with \$50,000 capital stock by C. E. Bancker, Wesley Morse and E. S. Hooper.

Tex., Paint Rock.—Concho Valley Townsite Co. incorporated with \$25,000 capital stock by W. A. Norman, O. L. Sims, D. E. Sims and others.

Tex., San Antonio.—Alfred Duerier and Charles Graeber are preparing to establish town; will subdivide 900 acres of land into 50-acre sites; install artesian wells; development to be known as Southton.

Tex., San Juan.—San Juan Townsite Co. incorporated with \$40,000 capital stock by A. W. Roth, E. J. Gregory, John Glosner and D. B. Chapman.

Tex., Velasco.—C. E. Brown, Chicago, Ill., is arranging to develop Lake Jackson tract; will clear 2000 to 3000 acres, divide into 5, 10

and 15-acre tracts, construct town on Brazos River front of about two and one-half miles, bore artesian well, etc.

Tex., Woodward.—Hust & Brundage and J. S. Sweet, San Antonio, Tex., purchased town of Woodward (comprising 640 acres) and will expend more than \$250,000 for further developments and construction of railroad through town; plan erection of hotel, number of dwellings and electric-light and power plant.

Va., Norfolk.—Delaware Development Corporation, James T. Lank, Lewes, Del., president, main office, Seaboard Bank Bldg., Norfolk, will develop Edgewater (Norfolk suburban property); Gwathmey Engineering Co., Norfolk, engineers. (Recently noted incorporated with \$45,000 capital stock.)

LUMBER-MANUFACTURING PLANTS

Ark., Prescott.—Ozan Lumber Co. will erect sawmill to replace present structure; concrete foundation; will install new machinery, including engine and boiler, increasing capacity from 100,000 to 125,000 feet daily.

Ark., Jonesboro.—Portia (Ark.) Lumber Co., J. F. Mason, president, has purchased machinery for band mill recently noted; no contract to be let on building; daily capacity of plant 40,000 feet general line of hardwoods.

Ark., Lonoke.—German-American Lumber Co., Chicago, Ill., contemplates establishment of lumber plant.

Ark., Truman.—Singer Manufacturing Co. will establish sawmill and veneer plant and extend railroad through timber tract.

Ga., Macon.—Builders' Lumber & Supply Co. incorporated with \$20,000 capital stock by H. B. Erminger, H. B. Erminger, Jr., and W. R. Clay.

Ga., Savannah.—Sunbury Lumber Co. organized by Mr. Heldt of Gignilliat & Heldt, and others; purchased 7081 acres of timber land in Chatham and Liberty counties and will develop.

La., Arcadia.—J. E. Norred Lumber Co. incorporated with \$25,000 capital stock; J. E. Reynolds, president; J. E. Norred, vice-president; Drew Davis, secretary-treasurer.

La., New Orleans.—A. G. Little Lumber Co., Clyde, Miss., purchased 100,000,000 feet of long-leaf yellow pine, sawmill with capacity of 75,000 feet daily, planing mill with daily capacity of 50,000 feet, and several thousand acres of land; will overhaul mills and install new machinery.

Miss., Clyde.—Lamar Lumber Co. purchased mill and timber rights on A. G. Little Company's land.

Miss., Hattiesburg.—Moore-Haggerty Lumber Co. incorporated with \$50,000 capital stock by H. S. Haggerty, B. D. Moore and others.

Miss., Tupelo.—Ballard-Hudson Lumber Co. incorporated with \$25,000 capital stock by J. K. Ballard, P. M. Hudson and others.

Mo., St. Louis.—Garetson-Sidwell Lumber Co. incorporated with \$10,000 capital stock by J. S. Garetson, J. M. Sidwell and W. W. Dinges.

N. C., Lake Waccamaw.—North Carolina Lumber Co. incorporated with \$125,000 capital stock by Francis B. Gault and others.

N. C., Newton.—Under management of Setzer & Killian operations of Galtier Manufacturing Co.'s plant will be resumed; will erect buildings and install additional machinery.

Okla., Carnegie.—Carnegie Lumber Co. incorporated with \$10,000 capital stock by J. G. Brown, C. W. Patton, M. J. Delaney and others.

Okla., Fairview.—Fairview Lumber Co. incorporated with \$15,000 capital stock by D. C. Ashby, Fairview; J. W. Ferguson, Kansas City, Mo., and others.

S. C., Salem.—West Union Lumber Co. incorporated with \$10,000 capital stock by J. R. Hughes and J. C. Shockley.

S. C., Charleston.—A. C. Tuxbury Company increased capital stock from \$300,000 to \$600,000.

Tex., Kountze.—Cypress Shingle & Lumber Co. incorporated with \$5000 capital stock by E. M. Pitts, J. R. S. Dey and W. M. Pope.

Tenn., Memphis.—Nickey Bros. Hardwood Lumber Co. purchased six-acre site and will establish \$35,000 sawmill and lumber yards.

Tenn., Tullahoma.—Anderson-Stegall Manufacturing Co. (recently reported incorporated under Manchester, Tenn., with \$25,000 capital stock) will manufacture bevel siding and colonial columns. (See "Woodworking Plants.")

Tex., Houston.—Bering Manufacturing Co. will erect additional story to plant and install new machinery; cost of improvements \$30,000.

Tex., Laurelia.—Benford Lumber Co. will rebuild sawmill, blacksmith shop, feedhouse, commissary and office building reported burned; loss \$50,000.

Va., Norfolk.—Allapaha Lumber Co. incorporated with \$10,000 capital stock; H. L. Williamson, president; H. A. Jackson, vice-president; H. W. Williamson, secretary-treasurer.

Va., Norfolk.—Brebda Lumber Co. incorporated with \$25,000 capital stock; J. T. Dunnell, president; A. A. Wendell, vice-president; Robert McLean, secretary.

W. Va., Logan.—Buren Browning and Hiram G. Burgess purchased timber on 1442 acres of land on Buffalo Creek and will develop.

W. Va., Huntington.—Campbell-Brown-Davis Timber Co. incorporated with \$20,000 capital stock by C. W. Campbell, Huntington; D. C. T. Davis, Charleston, W. Va., and others.

W. Va., Ronceverte.—Miller-Crosier Company (Chas. A. Miller, Ashland, Ky., and G. W. Crosier, Huntington, W. Va.) purchased about 2000 acres of timber land near Ronceverte and will develop; will construct six miles of railroad and erect store, boarding-house and dwellings.

W. Va., Preston County.—G. C. Stitzinger, Newcastle, Pa., purchased more than 9000 acres of timber land in Preston county and will develop; plan is to organize company, construct independent standard railroad from M. & K. Junction up Cheat River to property and establish plant. (Recently mentioned.)

METAL-WORKING PLANTS

Mo., Brookfield.—Hinges.—Twentieth Century Hinge Co., T. E. McKinstry, president, having dies prepared by Veltes & Donegan, Kansas City, Mo., for manufacturing patented adjustable hinge; will erect building and equip for manufacturing all kinds of hinges.

Mo., St. Louis.—Steel Fencing and Tanks.—O. K. Harry Steel Co. will erect additional factory buildings; three stories; 90x100 feet.

Tenn., Huntingdon.—Gas Plants, etc.—Eason-Severance Syndicate (recently reported incorporated with \$25,000 capital stock) will control royalties and manufacture of "Diamond Gas Plant;" will organize companies to manufacture these plants and other iron and sheet-metal works; V. C. Severance, president; O. C. Tidwell, vice-president; D. L. King, secretary; A. S. Eason, treasurer; W. E. Halley, manager.

MINING

Ala., Attalla.—Iron Ore.—W. F. Stowers purchased for \$36,000 T. C. Galloway farm of 500 acres and will develop iron-ore deposits.

Ala., Birmingham.—Dolomite.—Dolomite Quarry Co. incorporated with \$5000 capital stock; J. C. Beatty, president; Frank Norris, secretary-treasurer.

Ala., Russellville.—Iron Ore, etc.—Russellville Iron Ore & Metal Co. increased capital stock from \$100,000 to \$120,000.

Fla., Jamieson.—Fuller's Earth.—Southern Fuller's Earth Co. (previously reported incorporated with capital stock of \$100,000) will develop 940 acres fuller's earth deposits; 400 acres are at Jamieson and 540 at Getzlaff Switch; erecting another plant at latter point; main offices at Warren, Pa.; president, C. W. Jamieson; vice-president and general manager, W. L. MacGowan; treasurer, P. S. Tarbox; secretary, T. H. Ellis, all of Warren.

Fla., Midway.—Fuller's Earth.—Midway Development Co. incorporated with \$50,000 capital stock; L. C. Yeager, president, Tallahassee, Fla.; Jonah Britt, vice-president, Midway; Alfred Short, secretary; R. Griffin Johnson, treasurer, both of Tallahassee.

Mo., Joplin.—Lead and Zinc.—Omaha-Petersburg Mining Co. will receive bids for construction of 500-ton mill at Quapaw.

Mo., Joplin.—Lead and Zinc.—Halle Mining Co. incorporated with \$25,000 capital stock by George H. Playter, George T. Fletcher, C. L. Windbigger and others.

Mo., Joplin.—Lead and Zinc.—Charles F. Noble purchased mining land and will establish concentrating plant with capacity of not less than 300 tons per shift.

Mo., Joplin.—Lead and Zinc.—Pilot Lead & Zinc Co. incorporated with \$30,000 capital stock by H. J. Krug, Robert White and W. A. Wheatley.

N. C., Wendell.—Stone.—American Stone Co. (now operating in Fluvanna county, Va.) will remove to Wendell and establish plant.

Okla., Tulsa.—Sand.—Price Sand Co. Incorporated with \$50,000 capital stock by P. L.

Price, C. E. Strouville and others.

Tenn., Nashville.—Phosphate.—Natural Phosphate Co. incorporated with \$25,000 capital stock by Granbury Jackson, Edwin W. Cooper, W. P. Cooper and others.

Tex., Velasco.—Sulphur.—Bryan Heights Development Co. will develop sulphur deposits on Bryan Heights; plan calls for pumping sulphur by steam pressure, using 40-horsepower boilers, located every 40 square feet; contemplated expenditure \$350,000.

Va., Lynchburg.—Stone.—Lone Jack Stone Co. incorporated with \$65,000 capital stock; R. W. Masie, president; W. E. Reese, vice-president; C. S. Adams, secretary-treasurer.

Va., Richmond.—Stone.—American Stone Co. (now operating at Roscobel) will operate the Philadelphia quarry, recently purchased from the Richmond Granite Co., and will establish plant about August 1; plans not definite.

Va., Richmond.—Stone.—Strathmore Quarrying Co. incorporated with \$15,000 capital stock; Wirt E. Taylor, president; T. W. Chief, secretary-treasurer; W. O. Steger, general manager.

MISCELLANEOUS CONSTRUCTION WORK

Ala., Birmingham.—Plumbing, etc.—Barbour Plumbing, Heating & Electric Co. incorporated with \$25,000 capital stock; B. C. Rickman, president; Charles B. Baritz, vice-president; J. A. Sellman, secretary-treasurer.

Ark., Woodson.—Levee.—Woodson Levee District directors will construct nine miles levee, 165,700 cubic yards; eight culverts, eight gates; floodgate, reinforced concrete; estimated cost, \$45,000; bids to be opened February 9; Land & Hill, 201½ West 2d St., Little Rock, Ark., are engineers. (See "Machinery Wanted.")

La., New Orleans.—Wharf.—Board of Port Commissioners, A. C. Bell, engineer, awarded contract to W. T. Carey & Bro. of New Orleans at \$25,469.29 to construct A. Dumser wharf. (Lately noted.)

Okla., Stillwater.—Heating Plant.—State Board of Agriculture awarded contract to George Erichsen, Ardmore, Okla., at \$14,699 for construction of heating plant and powerhouse, and to John Johnson, Oklahoma City, Okla., at \$6700 for reinforced concrete tunnel for heating plant at State Agricultural and Mechanical College. (Lately noted.)

Tex., Cameron.—Levee.—Hedley Improvement District voted issuance of bonds to construct levee to prevent overflow of Little River. Address County Commissioners.

Tex., Galveston.—Pier.—Bettison Fishing Pier Co., W. J. Chapman, manager, will rebuild pier previously reported destroyed by storm; probably \$10,000 will be expended.

MISCELLANEOUS ENTERPRISES

Ala., Birmingham.—Tunnel.—Seaboard Air Line Railway, C. H. Hix, general manager, Portsmouth, Va., appropriated \$160,000 to rebuild burned Roper tunnel, 14 miles from Birmingham; reinforced concrete construction.

Ark., De Soto.—Bottling.—De Soto Mineral Springs Co. is planning construction of proposed plant.

Ark., Lonoke.—Rice Cultivation.—Arkansas Rice Co. organized by Frank A. Ganong, Boston, Mass., and associates; will cultivate rice on 1044 acres of land in Lonoke county; will install pumping plant.

Ark., Marianna.—Land and Cattle.—Marianna Land & Cattle Co. incorporated with \$15,000 capital stock by T. G. Landes (president), T. D. Watkins, C. M. Rafferty and others.

Ark., Russellville.—Hardware, etc.—Roys Hardware & Implement Co. incorporated with \$115,000 capital stock by Charles W. Mansur, R. F. Roys and Michael J. Burke.

Ga., Atlanta.—Wireless Telephone System.—Southern Wireless Telephone & Telegraph Co. incorporated with \$1,000,000 capital stock to establish wireless stations in Southern cities with central station in Atlanta.

Ky., Frankfort.—Hardware.—Waits-Smith. Le Compte Hardware Co. incorporated with \$6000 capital stock by William Waits, N. B. Smith and J. S. Le Compte.

Ky., Louisville.—Sporting Goods, Automobiles, etc.—L. W. Thompson Company incorporated with \$5000 capital stock by L. W. Thompson, J. F. Ecker and others.

Ky., Mayfield.—Stemming Plant.—Arthur B. Baryl, Henderson, Ky., purchased tobacco plant of Robards Tobacco Co. and will establish stemming plant.

Ky., Smithland.—Publishing.—Livingston Echo Publishing Co. incorporated by Charles

Ferguson, W. D. Bishop and W. I. Champlon.

Ky., Somerset—Hardware.—Girdler-Whitehead Company incorporated with \$10,000 capital stock by J. B. Girdler, J. E. Girdler and W. H. Girdler.

La., New Orleans—Garage.—Myatt-Dicks Motor Co. awarded contract to J. A. Petty, New Orleans, for erection of brick garage recently mentioned; size 45x160 feet; cost \$3000; cost of repair shop machinery \$1000.

La., New Orleans—Laundry.—Independent Laundry Co., 726 Audubon Bldg. (recently reported incorporated with \$12,000 capital stock), will establish laundry; will install laundry machinery; building completed; Chas. S. Metz, president; S. La Rosa, vice-president; R. A. Thomas, secretary and treasurer.

Md., Baltimore—Newspaper Plant and Office.—Frank A. Munsey, the Baltimore News, Fayette and Calvert Sts., has accepted plans by McKim, Mead & White, 160 Fifth Ave., New York, and Josias Pennington (associate architect), Professional Bldg., Baltimore, for construction of printing plant and office building on present News site and additional lot on Fayette St.; 14 stories; steel-frame construction; first three stories of stone, occupied by News; stories above (for rental offices) will be of brick and stone; top story and cornice of ornamental terra-cotta; traction type elevator; awarded contract to H. Hoe & Co., New York and London, for printing machinery to double present pressroom's capacity; will also install new typesetting machines, stereotyping apparatus, photo-engraving plant, etc.; total frontage 134 feet; plan contemplates completion by January, 1911; News will continue occupation of present building until completion of that part of new building on Fayette St., and will then move into said new structure, after which present building will be dismantled and new building will be completed on site. (Mr. Munsey's plan for extensive enlargement announced some weeks ago.)

Md., Cumberland—Dye Works.—Footer's Dye Works, Thomas Footer, president, contemplates enlargement; plans not completed.

Md., Towson—Nurseries.—J. W. Brandt Nursery Co. incorporated with \$5000 capital stock by John W. Brandt, Henry J. Raphael and Thos. S. Nichols.

Mo., Carthage—Laundry.—Up-to-Date Laundry Co. incorporated with \$10,000 capital stock by A. F. Carmean, Norvil Griffin and others.

Mo., St. Louis—Printing.—John Krieger organized company to erect printers' building; seven stories; fireproof; sprinkler system.

Mo., Valley Park—Contracting.—Steel Roof Truss Co., 618 New Bank of Commerce Bldg., St. Louis, Mo. (recently reported incorporated with \$25,000 capital stock), will erect fireproof buildings costing \$15,000; sizes, 75x200 and 20x40 feet; plans and construction by owners; will install general structural steel fabricating machinery; J. H. Koehler, president and treasurer; F. H. Krenning, vice-president; H. A. Ferguson, secretary and manager.

N. C., Canton—Publishing.—Canton Printing Co. incorporated with \$5000 capital stock by H. E. Walton and Thad D. Smith.

N. C., Charlotte—Publishing.—Charlotte Chronicle, Wade H. Harris, editor, awarded contract to R. Hoe & Co., New York and London, for third deck to press, increasing capacity to 30,000 eight-page, 24,000 10 or 12-page and 10,000 12 to 24-page papers daily.

N. C., Salisbury—Automobile Repair.—B. C. Beard, 116 East Franklin St., will erect proposed shop to repair automobiles and small machinery. (See "Machinery Wanted.")

N. C., Washington—Hardware.—W. C. Mallison & Son incorporated with \$100,000 capital stock by E. C. Mallison, Geo. A. Phillips and Ralph A. Phillips.

Okla., Anadarko—Publishing.—Caddo Publishing Co. incorporated with \$10,000 capital stock by A. S. Roberts, N. C. Roberts, Thornton Lewis and others.

Okla., Cleo.—Dr. Davis, Enid, Okla., and others are promoting establishment of bottling plant in connection with proposed sanitarium.

Okla., Durant—Hardware.—Crider-Potts Hardware Co. incorporated with \$15,000 capital stock by B. E. Crider, E. F. Potts, A. P. Staley and others.

Okla., Sapulpa—Typewriters, etc.—Interstate Typewriter Co. (recently reported incorporated with \$5000 capital stock) will establish plant to manufacture typewriters, adding machines, etc.; has not yet selected architect to prepare plans for 120x80-foot building; fireproof construction; will install

machinery for making adding machines, typewriters, etc.; cost of machinery about \$5000; Clarence Davis, president; R. E. Mergan, vice-president; Cora Davis, secretary. (See "Machinery Wanted.")

Okla., Oklahoma City—Bottling.—Western Mineral Water Co. incorporated with \$30,000 capital stock by Clara C. Hudson, W. T. S. Hunt, Ernest T. Bynum and E. S. Malone.

Okla., Shawnee—Publishing.—Independent Publishing Co. incorporated with \$200,000 capital stock by Albert Zange, E. R. Waite and A. M. Widows.

Okla., Weatherford—Hardware.—Palmer-Potter Hardware Co. incorporated with \$10,000 capital stock by R. M. Palmer, G. W. Potter, both of Weatherford, and H. E. Bonebrake, El Reno, Okla.

S. C., Cheraw—Printing.—Cheraw Printing Co. incorporated to establish printing plant.

S. C., Cheraw—Printing.—Stricklin Printing Co. (recently reported incorporated with \$2500 capital stock) will establish plant for printing; will install electric machinery; building completed; J. N. Stricklin, president; R. L. Stricklin, secretary and treasurer. (See "Machinery Wanted.")

S. C., St. George—Hardware.—Conway-Baxter Hardware Co. incorporated with \$5000 capital stock.

S. C., Leesville—Supplies.—Farmers' Supply Co. incorporated with \$30,000 capital stock; J. P. Able, president; J. C. Swygert, vice-president; J. S. Derrick, secretary-treasurer.

Tenn., Memphis—Garage.—Lee Bros. awarded contract to McKnight & Parker, Memphis, for garage; plate-glass and terra-cotta front; arched composition roof; cost \$25,000; plans by Shaw & Pfeil, Memphis.

Tenn., Memphis.—W. M. Goodbar has plans by Harker & Cairns, Memphis, for garage; 50x143 feet; cost \$10,000.

Tenn., Memphis—Garage.—Robert York awarded contract to F. C. Story, Memphis, for erection of garage for Blomberg Automobile Co.; brick and steel construction; concrete foundation; 40x160 feet.

Tenn., Nashville.—Hermiteau Laundry Co. incorporated with \$10,000 capital stock by B. W. Nowlen, Charles H. Wetterau, John M. Gauf and others.

Tenn., Nashville—Laundry.—Southern Star Laundry Co. incorporated with \$10,000 capital stock by J. B. Roberts, Charles Brower, Joe Kelley and others.

Tex., Dallas—Printing.—Bookman Printing Co. incorporated with \$10,000 capital stock by W. F. Bookman, Joe S. Warlick and I. D. Richmond.

Tex., Hillsboro—Printing.—Record Printing Co. incorporated with \$5000 capital stock by A. M. Kennedy, C. M. Kennedy and J. F. Kennedy.

Tex., Houston—Orchard.—Hitchcock Orchard Co. incorporated with \$50,000 capital stock by David Hannah, A. S. Wilson and Charles C. McKee.

Tex., Navasota—Laundry.—P. K. Lott will erect laundry building.

Tex., Penn City, P. O. Houston—Contracting.—Penn City Home Building Co. organized with \$30,000 capital stock; W. H. Gemmer, president, Houston; F. J. Hagerty, vice-president, Homestead, Pa.; William M. Bonnar, secretary-treasurer, Houston; to erect homes and other structures at Penn City; has contract for 40-room hotel.

Tex., Texas City—Grain Elevator and Pier.—Texas City Transportation Co., A. B. Wolvin, president, Duluth, Minn., awarded contract to James Stewart & Co., Fisher Bldg., Chicago, Ill., and First National Bank Bldg., Houston, Tex., for erection of 500,000-bushel grain elevator; steel and concrete construction; also for enlarging present pier to make it 1000 feet wide by 120 feet long and building thereon an additional fireproof warehouse 1000 feet long, with four electric dock cranes; elevator construction to permit of future increase to 1,500,000 bushels. These new contracts will increase Texas City company's investment to about \$1,000,000; contemplates construction of 15,000-ton coal warehouse because of handling coal contract with Western Maryland Railroad Co. of Baltimore, Md.

Va., Chase City—Hardware.—Mecklenburg Hardware Co. incorporated with \$15,000 capital stock; Ralph Jessup, president, Baskerville, Va.; H. H. Ferrell, secretary-treasurer; S. W. Eulank, vice-president, both of Chase City.

Va., Roanoke.—City will vote March 24 on \$40,000 fire improvement bonds. Address The Mayor. (Recently mentioned.)

Va., Lynchburg—Incinerator.—Council committee on sanitation and street cleaning will receive bids until February 28 for construction of 25-ton incinerator, including

fireproof building; certified check for 10 per cent. amount of bid, payable to A. L. Wilson, chairman; general specifications, etc., at office of H. L. Shaner, City Engineer.

Va., Norfolk—Garage.—Boush-Tazewell Realty Corporation will erect garage; brick; cost \$6000.

Va., Norfolk—Garage.—Tidewater Automobile & Garage Co., C. P. Weston, president, will erect garage; fireproof; one story with mezzanine floor; concrete floors; 110x75 feet; equipment, including machinery, lathes, tools and stocks, to cost \$15,000; will erect separate walls to divide garage from machine shops; cost of building, \$10,000.

W. Va., Charleston—Pleasure Resort.—Charles W. Swisher, L. J. Williams, C. W. Dillon and others purchased Pence Springs, containing 300 acres; will make improvements.

W. Va., Charleston—Cleaning and Dyeing.—American Steam French Dry Cleaning & Dyeing Co. incorporated with \$5000 capital stock by Jacob Wells, Harry Wells, Joe Canfor and others.

MISCELLANEOUS MANUFACTURING PLANTS

Ala., Birmingham—Food Products, etc.—Specialty Manufacturing Co., 3117 Tenth Ave. North, T. M. Hurt, president and manager, will manufacture roast and salted peanuts, potato chips, popcorn, rice and candies; also furniture and metal polishes, inks, etc. (Recently noted incorporated with \$10,000 capital stock.)

Ala., Birmingham—Beverages.—Rye-Ola Bottling Co. incorporated with E. J. Smyly, president; J. J. Peek, secretary-treasurer.

Ala., Birmingham—Coal Washers.—Montgomery Coal Washing & Manufacturing Co. incorporated with \$20,000 capital stock; James A. Montgomery, president; Jos. G. Cooke, secretary-treasurer.

Ala., Florence—Gas Plant.—City granted 30-year franchise to R. G. Ferguson, Chattanooga, Tenn., for establishment of gas plant. (Recently mentioned.)

Ark., Cove—Creamery.—F. C. Wilsey, Siloam Springs, Ark., organized company to establish creamery.

Ark., Little Rock—Pea Shellers.—J. H. Smith, 701½ Main St., is promoting organization of company to establish plant for manufacturing patented pea sheller.

Ark., Little Rock—Bakery.—Fort Smith Biscuit Co. increased capital stock from \$25,000 to \$50,000.

D. C., Washington—Paper Boxes, etc.—R. W. Monahan Company, 18th and D Sts., incorporated with \$10,000 capital stock to manufacture paper boxes and novelties; M. Morris Whitehurst, president and treasurer; R. W. Monahan, secretary and manager; has rented space and purchased machinery. (Recently noted under "Woodworking Plants," Baltimore, Md.)

Del., Wilmington—Cotton Pickers.—Price-Campbell Cotton Picker Corporation chartered with capital stock of \$3,500,000 by W. N. Akers, W. J. Maloney and E. B. Davis.

Fla., Lake City—Bottling.—Lake City Bottling Co., J. A. Leslie, president (recently reported incorporated with \$4000 capital stock), is consolidation of Coca-Cola Bottling Co. and Lake City Bottling Co.; will manufacture coca-cola and soda water; machinery supplied.

Fla., Orlando—Gas Plant.—Orlando Water & Light Co. will rebuild gas plant reported burned.

Fla., Tallahassee—Gas.—Board of managers City Water and Light Plants contemplates installation of holder at gas plant; 20,000 to 30,000 cubic feet capacity; C. H. Ellis, superintendent. (See "Machinery Wanted.")

Ga., Atlanta—Shade.—Sanitary Shade Co. (S. P. Holloway, president, main office 8 Wall St., recently noted to establish plant) will increase capital stock to \$50,000; will manufacture patent reversible shade roller frame and sanitary ventilator; will install power presses and dies; contemplates erection of building.

Ga., Atlanta—Bottling.—Benscot Lithia Co. will, it is reported, erect \$10,000 building.

Ga., Augusta—Cigars.—Crescent Cigar Co. incorporated with authorized capital stock of \$50,000 by W. P. Danforth, E. J. Barry and K. C. Danforth.

Ga., Brunswick—Moss Mattresses.—Peerson Mattress Factory, 1807 Reynolds St., will double capacity of plant to manufacture moss mattress.

Ga., Columbus—Igniters.—Albright Ignition Co. incorporated by J. J. Albright and G. I. Yarbrough; will manufacture spark

plugs, sparking igniters for explosive engines, etc.

Ky., Louisville.—Sanitary Specialty Co. incorporated with \$25,000 capital stock by C. Y. Ray, Lee R. Cralle, T. M. Cruycher and Charles Ray.

Ky., Louisville.—Paris Cloak & Suit Co. incorporated with \$10,000 capital stock by Joe H. Greenstein, Joseph R. Lewis and Max I. Greenstein.

Ky., Louisville—Shoes.—Petot-Kehm-Schutz Shoe Co. incorporated with \$20,000 capital stock by H. G. Schutz, Louisville; C. E. Petot, Cleveland, Ohio, and O. W. Kehm, Dayton, Ohio.

Ky., Louisville—Bottling.—Falls City Bottling Co. incorporated with \$6000 capital stock by Harry Davis, Max Davis and Julius Shapinsky.

Ky., Owensboro—Granite Blocks, etc.—Bituminous Rock Products Co. incorporated with capital stock of \$200,000 by J. S. Cottrell, secretary; S. Lambert and J. H. Hickman; will develop viscous deposit of bituminous rock and establish plant for manufacturing granite paving blocks, curbs, building shapes, asphalt mastic, pulverizer bituminous rock, lime, etc., and all by-products of bituminous rock; will probably install equipment for 100 tons or more capacity.

La., Erath—Sugar Mill.—Erath Sugar Co., V. L. Caldwell, president, awarded contract for erection of galvanized iron and wood buildings for sugar mill; mill construction; cost of plant \$100,000; D. Moresi, Jeanerette, La., manager. (Company previously noted organized, etc.)

La., New Orleans—Molasses.—Penick & Ford, Ltd., will build molasses refinery to replace present plant; plan three buildings about 300 feet long, costing \$100,000, and probably of mill construction; will use present machinery and add boilers, refrigerating plant, iron tanks, etc.; possibly install equipment for manufacturing tin cans; architects, Favrot & Livaudais, Abraham Bldg., New Orleans.

La., Roseland—Creamery.—Robert S. Ellis, J. M. Chopin and others are promoting establishment of creamery.

Md., Baltimore—Bakery.—Willcox Baking Co. incorporated with \$5000 capital stock by Frederick Willcox, Thos. P. Johns, 405 McCulloh St., and Wm. H. Berry.

Md., Baltimore—Chemicals.—Eutaw Chemical Co. incorporated with \$5000 capital stock by Wm. M. Wood, 2425 Druid Hill Ave.; John J. Malone and Charles M. Owens, 1516 Eutaw Pl.

Md., Baltimore—Fly Screens.—M. Solmsion Fly Screen Co., Bayard and Nanticoke Sts., will erect two-story brick addition to plant; steam heat; 42x100 feet; cost \$3500; contract awarded to Stansfield-Bevens Construction Co., Baltimore; company manufactures fly screens and doors. (See "Machinery Wanted.")

Md., Baltimore—Bakery.—City Baking Co. incorporated with \$2,000,000 capital stock; Elmore B. Jeffery, president; Robert V. White, vice-president; Lewis C. Rice, treasurer; Wallace D. White, secretary; Charles Schmidt, assistant treasurer; William Schmidt, assistant secretary; consolidation of Rice Bros. & Co., American Baking Co., Peter Schmidt Baking Co., A. A. White & Sons, Freihofer Baking Co. and Welcome White Bakery; will use 500 barrels of flour daily; offices, 500-506 Equitable Bldg.

Md., Baltimore—Tobacco.—American Tobacco Co. awarded contract to E. D. Springer, 424 South Charles St., Baltimore, for construction of fireproof elevator shaft in tin department, Charles and Lee Sts.; plans by J. E. Laferty, 11 East Pleasant St., Baltimore; cost \$6000.

Md., Monumental Station (not a post-office)—Compressed Yeast.—Standard Compressed Yeast Co., Box 414, Baltimore, Md., incorporated with \$50,000 capital stock; Wm. A. Boykin, Jr., president; Horace S. Whitman, secretary; will manufacture compressed yeast; machinery purchased.

Miss., Amory—Drugs.—People's Drug Co. incorporated with \$10,000 capital stock by W. J. Grady, P. W. Roberts and others.

Miss., Biloxi-Turpentine.—Lyon Turpentine Co. incorporated with \$10,000 capital stock by D. J. Gay, Biloxi, and J. I. Ford, Scranton, Miss.; will use timber on 22,000 acres of timber land in Jackson county.

Miss., Jackson—Ice Cream.—Hoadley Ice Cream Co., Memphis, Tenn., will establish ice-cream factory.

Miss., Meridian—Ice Cream.—R. W. Rogers will, it is reported, establish ice-cream factory.

Mo., Kansas City—Garments.—Lesley-Parsons Garment Co. incorporated with \$40,000 capital stock by Irvin R. Parsons, Stella Parsons and Mary M. Lesley.

Mo., Kansas City—Creamery.—J. E. Chandler will establish creamery.

Mo., Stanberry—Cable.—American Cable & Manufacturing Co. incorporated with \$15,000 capital stock; will establish plant to manufacture copper cable lightning rods and copper cable lightning conductors for grounding field fences; cost of machinery \$2500; J. C. Etz, president; O. H. De Moss, vice-president; W. S. Hardin, secretary and treasurer.

Mo., St. Louis—Building Material.—National Supply & Manufacturing Co. incorporated with \$7500 capital stock by Grant Wyatt, McRee Green and Franklin Williams.

Mo., St. Louis—Trunks.—Crawford & Nuss Trunk Co. incorporated with \$25,000 capital stock by L. H. Crawford, August Nuss and T. L. Simon.

Mo., St. Louis—Medicine.—National Medicine Co. incorporated with \$50,000 capital stock by A. S. Archer, Fred H. Lynch and G. H. Rice.

N. C., Newbern—Drugs.—Rubright Manufacturing Co. incorporated with \$50,000 capital stock by C. W. Murger, J. W. & F. B. Waters and others.

N. C., Reidsville.—Reidsville Drug Co. incorporated with \$3000 capital stock by E. D. Miller and others.

N. C., Wilson—Cigarettes.—Erwin H. Nadal Tobacco Co. will be incorporated to establish cigarette factory; will install four machines, each with daily capacity of 125,000 cigarettes.

Okla., Enid—Farm Implements.—Enid Farm Implement Co. will construct proposed plant.

S. C., Anderson—Bottling.—Big Four Bottling Co. incorporated with \$2500 capital stock.

S. C., Charleston—Sugar Refinery.—Southern Sugar Refinery incorporated with \$9,000 capital stock by James S. Grant, Harry A. Pierce and George S. Stiegler of Wilmington, Del.

Okla., Frederick—Automobiles.—Dixie Motor Car Co. incorporated with \$250,000 capital stock by R. C. Benner, C. M. Fuller, Jr., E. I. Holt and others.

Okla., Muskogee.—Mid-West Coffee Co. incorporated with \$25,000 capital stock by C. W. Fannings, H. B. Smith and C. W. Smith.

Okla., Stillwater—Clothing.—Bishop Clothing Co. incorporated with \$15,000 capital stock by John L. Bishop, Carter C. Hanner and Ida D. Bishop.

S. C., Charleston—Organs.—Charles A. Ryder Organ Co. incorporated with \$6000 to manufacture and repair organs.

S. C., Mt. Pleasant—Salted Peanuts.—H. Baker & Sons will install machinery for salting peanuts without removing shells (process invented by Frank Baker); is to place peanuts in green state in container and force in saltine by pressure, after which they are subjected to heat to evaporate liquid and roasted in usual manner.

Tenn., Knoxville—Medicine.—Empire Medicine Co. incorporated with \$25,000 capital stock by Claude E. Cooper, T. E. Black, J. S. Hall and others.

Tenn., Nashville—Mirrors, Art Glass, etc. Warren Bros. Company, 200 Third Ave. N., will erect warehouse for glass; cost \$18,000; all contracts let; manufactures mirrors and art glass; also deals in plate and window glass. (See "Warehouses.")

Tex., Bay City—Creamery.—B. E. Norvel is promoting establishment of creamery.

Tex., Dallas—Printing Ink.—Queen City Printing Co. incorporated by L. A. Shaeffer, A. C. Johnson and H. Murdock.

Tex., Galveston—Ice Cream.—Kahn-Shaper Ice Cream Co. (recently reported incorporated with \$10,000 capital stock) will establish plant to manufacture ice cream; contemplates erection of modern building in spring; Gustav Kahn, president; A. I. Shaper, vice-president; S. T. Weyman, secretary and treasurer.

Tex., Houston—Bakery.—National Biscuit Co., main office, New York, is having plans prepared for four-story building to double capacity of plant; cost \$250,000.

Tex., Houston—Sand-lime Bricks.—H. A. Shand is organizing company to establish plant for manufacturing sand-lime brick.

Tex., Houston—Bags.—Texas Bag & Fiber Co. will erect addition adjoining present plant; three stories and basement; will increase capacity from 30,000 to 45,000 bags daily.

Tex., Houston—Window Shades.—William M. Volker Manufacturing Co. will erect addition to plant; 90x90 feet; will increase daily capacity from 300 dozen to 600 dozen window shades.

Tex., Houston—Coffee-roasting Plant.—In-

ternational Coffee Co. will erect coffee-roasting plant; three stories; brick or concrete; 50x75 feet; will increase capacity to 20,000 pounds of coffee daily.

Tex., Quanah—Overalls, etc.—Quanah Overall & Pants Manufacturing Co. will double capacity of plant and erect warehouse.

Tex., Mt. Pleasant—Shale Brick.—F. W. Fitzpatrick and L. C. Libby will establish \$10,000 plant for manufacturing pressed brick from shale at Libby mines.

Tex., San Marcos—Showcases, etc.—Acme Manufacturing Co., S. Woodall, president, will erect 160x60-foot main building; two stories and basement; iron-clad; mill construction; cost \$5000; materials mainly ordered; will install woodworking machinery, operated by steam, at cost of \$15,000; manufactures Thompson sanitary showcases; also furniture and building material; was recently noted organized with \$20,000 capital stock. (See "Machinery Wanted.")

Va., Fredericksburg—Shirts.—Oppenheim, Obendorf & Co., 112-124 West Fayette St., Baltimore, Md., contemplate establishment of shirt factory.

Va., Richmond—Invalid Beds, Extension Ladders, etc.—Mayo Specialty Manufacturing Co., Room 1 Shafer Bldg., incorporated with \$50,000 capital stock; S. P. Mayo, president and treasurer; Harry B. Owen, secretary; A. C. Taylor, manager; will manufacture patented combined invalid bed, patent extension ladders, combined cotton planter and fertilizer distributor, with other special machinery; will erect building of mill construction; building plans not made; architect not selected.

Va., Berryville—Creamery.—Clarke County Creamery Co. incorporated with \$25,000 capital stock; J. C. Rutherford, president; W. A. Macomb, manager; J. B. Neill, secretary-treasurer.

Va., Richmond—Burial Vaults.—Egyptian Vault Corporation incorporated with \$5000 capital stock; J. M. Kain, president; W. Fred Richardson, secretary-treasurer.

W. Va., Martinsburg—Automobiles, etc.—Rowe Automobile Co., Waynesboro, Pa., will establish plant for manufacturing automobiles, gas engines, etc.

W. Va., Sistersville—Brewery.—Ohio Valley Brewing Co. incorporated with \$150,000 capital stock by George W. Hartman, McKeesport, Pa.; Franklin P. Iams, Albert Oyer, both of Pittsburgh, Pa., and others; purchased Sistersville Brewery and will operate brewery, ice and cold-storage plants. (Recently mentioned.)

RAILWAY SHOPS, TERMINALS, ROUNDHOUSES, ETC.

Fla., Jacksonville.—St. Johns River Terminal Co. purchased property in Springfield on which to erect machine shops and other accessories for care of its rolling stock and that of Southern and Georgia Southern & Florida railways; expenditure \$50,000.

Md., Baltimore.—Baltimore & Ohio Railroad Co. will expend about \$300,000 for machinery to add to facilities and replace worn equipment in various shops on railway. E. H. Bankard, Charles and Baltimore Sts., is purchasing agent.

Okla., Enid.—St. Louis & San Francisco Railroad will soon begin construction of proposed car shops; building 350 feet long and 112 feet wide; H. V. Kingle of Enid, foreman bridge and building department, will be in charge.

Tex., Galveston.—Galveston, Houston & Henderson Railroad, H. R. Cooper, chief engineer, Galveston, will construct reinforced concrete machine shops, 50x230 feet, and mechanic's office and storeroom.

ROAD AND STREET IMPROVEMENTS

Ala., Alexander City.—Industrial Association, W. L. Waters, chairman, is promoting road construction in Tallapoosa county.

Ala., Birmingham.—City is considering street-paving ordinances calling for expenditure of \$200,000; Maury Nicholson, City Engineer.

Ala., Gadsden.—City will construct 5000 square yards artificial-stone sidewalk, 373 square yards artificial-stone driveway, etc.; bids to be opened January 31; Willburn Hall, City Engineer. (See "Machinery Wanted.")

Ark., Little Rock.—E. A. Kingsley, Superintendent of Public Works, submitted estimate of cost of bringing to level of street block bounded by West Markham, Cross, Water and Victory Sts.; according to survey made by Assistant Engineer Henry Levinson, amount of earth and rock necessary to be removed amounts to 19,600 cubic yards; allow-

ing for sidewalks and excavations on Pulaski street will bring total amount of material to be removed to about 22,000 cubic yards; estimated cost of excavation and removal of material, 75 cents per cubic yard, making total cost about \$16,500.

Ark., Paragould.—City is considering paving streets recently mentioned; has not made plans; J. R. Thompson, Mayor.

Ark., Pine Bluff.—Commissioners of Side-walk and Curb District No. 3 opened bids for concrete work throughout district; Capital City Concrete Co., Springfield, Ill., lowest bidder at 9.9 cents per square foot on sidewalks and 44.9 cents per linear foot on curbing.

Ga., Atlanta.—City awarded contract to Thornton & Mason, Atlanta, to pave Marietta St. from Spring to Foundry Sts. with wood blocks.

Ga., Douglasville.—Douglas County Commissioners decided to improve roads; will construct several bridges in connection.

Ky., Lexington.—City Council will be asked to consider construction of three miles of brick streets at cost of \$150,000; work to begin in spring; P. P. O'Neill, City Engineer. (Petition to Legislature to grant authority for issuance of \$500,000 for street improvements recently noted.)

Md., Baltimore.—City will pave Pier 6 with vitrified block; bids to be opened February 2; O. F. Lackey, Harbor Engineer. (See "Machinery Wanted.")

N. C., Oxford.—Granville County Commissioners awarded contract to T. W. Chandler & Co., care of James P. Powell, Oxford, for construction of 20 miles of public roads recently noted; to be completed within six months; Commissioners will receive bids March 7 on construction of 20 additional miles road; J. A. Osborn, County Engineer; J. B. Powell, clerk. (See "Machinery Wanted.")

N. C., Randleman.—Randleman township voted \$50,000 bond issue for about 14½ miles of road improvements. Address District Commissioners.

N. C., Raleigh.—City will lay about 25,000 square yards pavement; bids to be opened March 30; William W. Wilson, City Clerk. (See "Machinery Wanted.")

Okla., Oklahoma City.—City will pave South Robinson Ave. with sheet asphalt; bids to be opened January 31; Bob Parman, City Clerk. (See "Machinery Wanted.")

Okla., Oklahoma City.—Cemetery Board awarded contract to California Paving Co., H. M. Johnson, Chandler, Okla., president, at about \$6000 to pave one mile of drives of Fairlawn Cemetery.

Tenn., Huntingdon.—City will vote February 5 on issuance of \$10,000 of bonds for improving streets and sidewalks and for extending electric lights and water mains to East End, suburb of city.

Tex., Colorado.—City awarded contract to J. M. Terry of Colorado at \$1200 to grade 15 blocks in residence section.

Tex., Galveston.—Bids will be opened February 7 for repairing county road near High Bridge, distance of one mile; John M. Murch, County Auditor. (See "Machinery Wanted.")

Tex., Houston.—City will lay shell on Scott St., Leeland, Drew and Day Aves. and other streets; H. B. Rice, Mayor.

Tex., Paris.—City will vote February 24 on issuance of \$99,000 of bonds for paving Lamar Ave. Address The Mayor. (Recently mentioned.)

Tex., Wichita Falls.—City will vote February 18 on issuance of \$40,000 of bonds for paving. Address The Mayor.

Va., Norfolk.—Board of Control awarded contract to Barber Asphalt Co., Philadelphia, Pa., to repair asphalt paving.

Va., Richmond.—City opened bids January 27 for street improvements; Charles E. Bolling, City Engineer.

Va., Roanoke.—City will vote March 24 on issuance of \$285,000 of bonds for street improvements. Address The Mayor. (Recently mentioned.)

Va., Richmond.—Charles E. Bolling, City Engineer, submitted to Council committee on streets estimate of needs of department for 1910, amounting to \$2,979,691.94, most of which is for street improvements.

W. Va., Huntington.—City will vote on issuance of \$200,000 of bonds for paving and sewer construction. Address The Mayor.

SEWER CONSTRUCTION

Ala., Montgomery.—Surveyors connected with City Engineer A. R. Gilchrist's office will make survey of city through which Genetta ditch flows for purpose of locating outfall; after survey is made plans will be drawn for straightening ditch at most important points.

Fla., Perry.—City will construct sanitary sewer system; three miles of pipe, 8 to 15 inches, manholes, flush tanks etc.; bids to be opened February 8; William W. Lyon, 305 Duval Bldg., Jacksonville, Fla., consulting engineer; John C. Calhoun, secretary Board Bond Trustees. (See "Machinery Wanted.")

Ga., Cartersville.—Paul Gilreath, Mayor, recommended to City Council construction of sewer system.

Ky., Lexington.—City has petitioned Legislature for authority to issue \$100,000 for sewerage construction; P. P. O'Neill, City Engineer.

Ky., Louisville.—Blackstaff Engineering Co., Philadelphia, Pa., is lowest bidder at \$34,236 for constructing section "F," Beargrass interceptor, contract No. 60; J. B. F. Breed, chief engineer. (Recently mentioned.)

Miss., Belzoni.—Walter G. Kirkpatrick, Jackson, Miss., is making surveys for construction of system of house sewers, comprising four or five miles of pipe sewers emptying into Yazoo River.

Miss., Greenwood.—City has \$30,000 available for construction of storm-water drainage system. Address The Mayor. (Previously mentioned.)

Mo., Kansas City.—J. L. Darnell, City Engineer, completed plans for constructing Brush Creek sewers from 51st and Mercer Sts. to Brush Creek and Jackson Ave.

Mo., St. Louis.—Board of Public Works, Maxime Reber, president, will open bids February 11 for construction of sewers in various streets; estimated cost \$246,120; plans on file at office of board and of Sewer Commissioner.

Mo., Centralia.—City will vote January 25 on issuance of \$20,000 bonds for construction of sewer system. Address The Mayor.

Okla., Ardmore.—City has engaged J. W. Maxey Company, 906 Scanlon Bldg., Houston, Tex., as consulting engineer for filtration and sewerage system. (Previously mentioned.)

Okla., Chickasha.—City awarded contract at \$8,870 to T. W. Roberts of Chickasha for construction of storm concrete sewer, single ring brick and vitrified pipe.

Okla., Oklahoma City.—Following contractors submitted lowest bids on January 5 for construction of sewers: Walker Ave. storm sewer, F. R. Stone, at \$26,811; Broadway storm sewer, J. W. Smith, at \$27,169. For construction of sanitary lateral sewers: Jordan Pl., Oak Park, etc., McCredie Company, at \$15,762; Culbertson's East Highland district, J. O. Severns, at \$22,000; Blocks 10, 11, 12, etc., University Addition, J. O. Severns, at \$4900; Blocks 2, 7, 22, 27, etc., University Addition, McCredie Company, at \$11,023; Putnam Heights and Military Park, J. O. Severns, at \$17,010. Bob Parman, City Clerk.

Okla., Tulsa.—City awarded contract to H. C. Gass of Tulsa for sanitary sewer work in sewer districts Nos. 7, 8 and 43.

S. C., Rock Hill.—City will vote February 24 on issuance of \$10,000 of sewer bonds. Address The Mayor.

Tenn., Trenton.—City awarded contract to Sullivan & Long, Bessemer, Ala., to construct sewer system.

Tex., Houston.—City will construct sanitary sewers in Fourth ward; bids to be opened February 7; H. B. Rice, Mayor. (See "Machinery Wanted.")

Va., Roanoke.—City will vote March 24 on issuance of \$75,000 of bonds for sewer construction. Address The Mayor.

W. Va., Huntington.—City will vote on issuance of \$300,000 of bonds for paving and sewer construction. Address The Mayor.

TELEPHONE SYSTEMS

Ga., Gainesville.—Mt. Vernon Telephone Co. is being organized with R. I. Holland, president; Claude L. Thompson, secretary-treasurer; J. H. Conner, vice-president; will construct 20-mile line from Gainesville into Lumpkin county.

Ky., Browder.—Elk Valley Consolidated Coal Co., C. D. M. Greer, president, Memphis, Tenn., plans construction of telephone system to connect properties at Browder, Drakesboro and Elk Valley.

N. C., Clinton.—Garland-Clinton Telephone Co. increased capital stock from \$5000 to \$25,000.

Okla., Cedardale.—New State Mutual Telephone Co. incorporated with \$10,000 capital stock by J. L. Hendricks, W. T. Edsel, both of Cedardale, and C. A. Munson, Driscoll, Okla.

Okla., Oklahoma City.—Pioneer Telephone Co. increased capital stock \$1,000,000 and will, it is reported, expend \$250,000 for improvements to local system; will practically double service.

Okla., Oklahoma City.—New Telephone Co.

Incorporated with \$500,000 capital stock by Charlton Barbour, E. A. Barnes and Ross N. Lillard.

Okla., Oklahoma City.—C. E. Zahn, Columbus, Ohio, contemplates, it is reported, establishment of telephone system.

Okla., Oklahoma City.—Independent telephone company is being organized with \$500,000 capital stock by Eugene A. Barnes, Charlton Barber and Ross N. Lillard.

Okla., Paradise, R. F. D. from Coyle.—Paradise Telephone Co. Incorporated by Monroe Boyd, A. K. Maxwell, Harvey Hays and others.

Okla., Wynoka.—Wynoka Local & Long Distance Telephone Co. Incorporated with \$10,000 capital stock by L. B. Collins and Charles Swindall of Woodward, Okla.

Va., Abingdon.—Virginia & Tennessee Telephone Co., N. C. Watts, president (main office, Roanoke, Va.), will establish exchanges at Glade Springs and Abingdon; will construct 25 miles long-distance line between Bristol and Chilhowie, Va. (Recently incorporated noted under Tenn., Bristol.)

TEXTILE MILLS

Ala., Huntsville.—Madras Shirting, etc.—Lowe Manufacturing Co. will expend about \$80,000 to erect addition and install 200 looms mentioned last week; has awarded looms contract; present equipment, 25,000 spindles and 270 looms.

Ga., Senoia.—Cotton Duck.—Senoia Duck Mill (lately reported incorporated with \$100,000 capital stock) awarded contract to J. W. Minter, Senoia, for erection of building; brick construction; rock and cement foundation; 94x267 feet.

N. C., Burlington.—Hosiery Finishing, etc.—J. H. Tate, 324 North Main St., High Point, N. C., will organize Keystone Finishing Mills to dye, finish, box and sell hosiery. (Lately mentioned as Keystone Hosiery & Finishing Co.)

N. C., Durham.—Bleachery.—Pearl Cotton Mills will not build bleachery; recent report was error.

N. C., Winston-Salem.—Dry Goods.—Inverness Mills Co. (lately reported incorporated, etc.) will organize to build mill of about 10,000 spindles and 300 looms; will probably use electric power; has not awarded any contracts; Lawrence McRae, Spray, N. C., will have full charge.

S. C., Anderson.—Flannels, etc.—Brogan Mill has not finally determined extent of additional machinery lately reported to be installed; will probably decide within 30 days; now has 25,000 ring spindles and 564 looms.

S. C., Greenwood.—Cotton Cloth.—Panola Cotton Mills Incorporated with capital stock of \$300,000 by F. S. Evans and associates; will erect buildings and install about 10,000 spindles and 300 looms; steam power; engineers in charge, Lockwood, Greene Co., 93 Federal St., Boston, Mass. (Mr. Evans previously noted as to form company.)

S. C., St. Matthews.—J. S. Wannamaker, J. A. Merritt, Shep Pearlstone and associates plan organization of \$100,000 company to build cotton mill.

S. C., Wellford.—Wellford Manufacturing Co. Incorporated with capital stock of \$40,000 by Vernon Muckenfuss and W. M. Jones of Spartanburg, S. C.

Tex., Austin.—W. H. Gill, chairman penitentiary board, Houston, Tex., is understood to contemplate preparing for erection of cotton mill for which Legislature appropriated \$100,000 several months ago.

Tex., Ballinger.—John C. Brazelton is promoting organization of cotton-mill company lately mentioned.

WATER-WORKS

Ala., Boaz.—City is considering construction of water-works; committee, consisting of R. E. Borroughs, E. G. Williamson and J. P. Gillespie, estimates that plant, largely for fire protection, can be built for \$2000; bond election may be held.

Ala., Gadsden.—City will vote February 21 on issuance of \$60,000 of bonds for improvements to water-works; W. M. Wilson, City Engineer. (Recently mentioned.)

Ala., Montgomery.—City Council authorized Gaston Hunter, Mayor, to purchase site for \$15,250 on which to construct proposed reservoir and install electrically-operated water pump.

Ark., Hamburg.—City will install water-works. Address Dr. W. L. Blanks. (See "Electric-Light and Power Plants.")

Ark., Searcy.—City is arranging for construction of water-works and sewerage systems to be connected with municipal electric-light plant; system will include deep well

and electrically-operated vertical turbine centrifugal pump with capacity of 250,000 gallons, 100,000-gallon pump and tower 100 feet high, suction lift estimated at 50 feet; when system is completed will install 50-kilowatt three-wire 110-220-volt direct-current direct-connected unit. W. H. Walkup is manager.

Ga., Dalton.—City Council decided to install boiler at water-works and instructed Water Commissioners to secure estimates on cost.

Ky., Paintsville.—G. A. Northcott, Huntington, W. Va., is interested in construction of water-works and electric-light plant to cost \$40,000.

Mo., Centralia.—City will vote January 25 on issuance of \$45,000 of bonds for construction of water-works. Address The Mayor.

N. C., Wilmington.—Water and Sewerage Commission awarded contract to John W. Danforth Company, Buffalo, N. Y., for improvements to water-works system, including construction of brick power and filter house, machinery foundations, rearrangement of machinery, building of radial brick stack, extension of filter plant and reinforced concrete sedimentation basin and concrete storage reservoir of 1,000,000 gallons capacity; total expenditure about \$60,000; Hazlehurst & Anderson, Atlanta, Ga., and Wilmington, are consulting engineers. (Recently mentioned.)

Okla., Claremont.—City contemplates voting on issuance of \$17,500 of water-works bonds. Address The Mayor.

Okla., Krebs.—R. E. Seamans, Mayor, advises that city will advertise for bids on furnishing and constructing complete system of water-works; dam about two miles, and distribution mains in city; cost \$50,000. (Bond issue recently noted.)

S. C., Rock Hill.—City will vote February 24 on issuance of \$150,000 of water-works bonds. Address The Mayor.

Tenn., Huntingdon.—City will vote February 5 on issuance of \$10,000 of bonds to extend water mains to East End, etc. Address The Mayor. (See "Road and Street Improvements.")

Tex., Austin.—City is considering arrangements for increasing water supply. Address The Mayor.

Tex., Bryan.—City granted franchise to Mr. Cleaver and associates for water-works and electric-light system; estimated expenditure \$60,000.

Tex., Paris.—City will expend \$20,000 in water-works recently mentioned; extension of cast-iron mains and hydrants; date of opening bids not set; J. W. Crook, engineer; Ed H. McCulston, Mayor.

Tex., Paris.—City will vote February 24 on issuance of \$20,000 of bonds for extension of water mains. Address The Mayor. (Recently mentioned.)

Tex., Rosenberg.—City is considering construction of water-works. Address The Mayor.

Tex., Harlingen.—Lake Side Heights Water Co. Incorporated with \$1920 capital stock by R. S. Chambers, Fred B. Chambers and H. L. Hopkins.

Tex., San Angelo.—San Angelo Water Co. increased capital stock from \$150,000 to \$225,000 and plans improvements to water system.

Tex., San Benito.—San Benito Land & Water Co., Alha Heywood, president, awarded contract at \$25,000 to Fairbanks-Morse Company, main office Wabash Ave. and Eldredge Pl., Chicago, Ill., for installation of combination city water plant and electric-light and power plant; six-inch mains; standpipe 100 feet high, 40,000 gallons capacity; pump capacity, 36 gallons per 24 hours. (See "Electric-Light and Power Plants.")

Va., Fredericksburg.—City Council is considering laying additional water mains; estimated cost \$6000; S. J. Quinn, superintendent of water-works.

Va., Roanoke.—Roanoke Gas & Water Co. contemplates expending \$250,000 in improvements. As recently stated, pipe line is being constructed from Muse Spring, near southeast limits of city, around mountain to present Crystal Spring pumphouse; on Mill Mountain, above present reservoir, new reservoir will be constructed, to which water will be lifted by gasoline engine; reservoir will have elevation of about 1100 feet above sea level and will place water over 200 feet above city; new pump will be installed at Crystal Spring and other improvements made; joint committee of engineers from city and company has about completed details of various new pipe lines in city and main feeder from pumphouse to point that will afford protection to business section. H. M. Miller of Roanoke prepared plans for three-story fireproof office building estimated to cost \$7000.

W. Va., West Charleston, Station B, Charles-

ton.—West Charleston Water Co. Incorporated with \$10,000 capital stock by W. B. Shober, Albert Lory, P. W. Burdett, all of Charleston, and others.

WOODWORKING PLANTS

Ala., Opelika.—Furniture and Coffins.—H. W. Martin and associates contemplate establishment of furniture and coffin factory. (See "Machinery Wanted.")

Ark., Heber.—Egg Cases, etc.—W. B. Baker Lumber Co. will establish plant to manufacture veneer, egg cases, fruit crates and boxes. (See "Machinery Wanted.")

Fla., Jacksonville.—Barrels.—Southeastern Cooperage Co. Incorporated with \$50,000 capital stock; M. E. Nussbaum, president; John J. Taylor, vice-president; G. J. Scovill, secretary-treasurer; will manufacture turpentine and cottonseed-oil barrels.

Fla., St. Petersburg.—Mission Furniture.—Boyer & Coppins (George Boyer and Charles B. Coppins) will erect building, 40x40 feet, of cement blocks, and will equip for manufacturing mission furniture.

Ga., Augusta.—Chairs.—T. G. Philpot is interested in establishment of chair factory.

Ky., Louisville.—Mantels.—Greenway Mantel Co. Incorporated by John Irick, E. K. Pennybaker and Homer W. Batson.

Ky., Louisville.—Mantels.—Greenway Mantel Co. Incorporated by E. K. Pennybaker, H. W. Batson and others.

Ky., Shelbyville.—Furniture.—Shelbyville Furniture Co. Incorporated with \$10,000 capital stock by A. L. Harbison, W. H. Caldwell and W. L. Smith.

La., Shreveport.—Hames.—Star Hame Manufacturing Co., Blanchester, O., contemplates establishment of plant.

Mo., St. Louis.—Wheels.—Schenk Pneumatic Wheel Co. Incorporated with \$75,000 capital stock by Nicholas Schenk, Emma Scheek and Victor E. Ketjen.

N. C., Brevard.—Furniture.—Southern Stock & Farming Co. will, it is rumored, erect plant for manufacturing hand-made furniture.

N. C., Brevard.—Furniture, etc.—New York & North Carolina Land & Lumber Co. plans erection of furniture factory, woodworking plant and several kindred enterprises; electric power; site to be about 30 acres land.

N. C., Statesville.—Toothpicks.—Joseph Ash contemplates establishment of plant to manufacture toothpicks. (See "Machinery Wanted.")

S. C., Ruby.—Desks, Bank and Office Furniture.—Ruby Manufacturing Co. Incorporated with \$10,000 capital stock to manufacture desks, office and bank furniture.

Tenn., Lewisburg.—Vehicles.—W. L. Regen will establish plant for manufacturing buggies, etc.

Tenn., Tullahoma.—Siding and Columns.—Anderson-Stegall Manufacturing Co. Incorporated with \$35,000 capital stock to manufacture bevel siding and colonial columns; O. H. Anderson, president; G. B. Fisher, vice-president; W. H. Anderson, secretary-treasurer; G. W. Stegall, manager; company will erect buildings, construction by local parties; has ordered machinery; contemplates operation within 60 days.

Tex., Orange.—Boxes.—Orange Box Manufacturing Co. Incorporated with \$25,000 capital stock by C. E. Slade, Sam G. Smith, R. P. Smith and E. L. Bruce.

Tex., San Marcos.—Showcases, Furniture, etc.—Acme Manufacturing Co., S. Woodall, president, is proceeding with establishment of woodworking and showcase plant noted in December. (See "Miscellaneous Manufacturing Plants.")

Tex., Texarkana.—Chairs.—J. T. Murphy and others are arranging to establish chair factory; cost \$10,000.

BURNED

Ala., Dothan.—Houston county's courthouse; loss \$75,000. Address County Commissioners.

Ala., Forkland.—J. I. Thornton's cotton gin; loss \$2000.

Ala., Huntsville.—Archibald McDonnell's two barns; loss \$5000.

Ala., Montgomery.—W. T. Sheehan's residence; loss \$6000.

Ala., Talladega.—Talladega Machinery & Foundry Co.'s plant; loss \$50,000.

Ala., Talladega.—Talladega Machine, Car & Foundry Co.'s plant; total loss, \$57,000.

Ark., Hot Springs.—Waverly Hotel and bathhouse; loss \$100,000.

Ark., Little Rock.—Herman Nelson's shipyard; loss \$2500.

Ark., Russellville.—Smallwood Ice Co.'s plant; loss \$8000.

Fla., Orlando.—Orlando Water & Light Co.'s gas plant.

Ga., Cuthbert.—Fertilizer plant of Southern Cotton Oil Co., main office, 24 Broad St., New York; loss \$20,000.

La., Pollock.—Ball & Willett's building; loss \$12,000.

Miss., Greenwood.—Greenwood Commonwealth's plant; estimated loss, \$4000.

Miss., Silver Creek.—Lumber plant of R. L. Longino and Virgin Hartzog; loss \$500.

Miss., Wiggins.—A. J. Harris' building, loss \$3500; E. J. O'Neal's building, loss \$2500; Nathan Davis' building, loss \$5000; Gulf & Ship Island depot (G. F. Gardner, general superintendent, Gulfport, Miss.); Wiggins Mercantile Co.'s building, loss \$5000; Pond Mercantile Co.'s building, loss \$6000; People's Bank, loss \$5000; Parker & Datson's building, loss \$3000; Lumberman's Home Hotel, loss \$2500.

Mo., Braymer.—R. L. Cornett's building, loss \$3000; Divilbiss & Toland's building, loss \$3000; C. E. Surface's building, loss \$5000.

Mo., Carthage.—Ozark Cooperage Co.'s barrel factory; loss \$10,000.

Mo., Lamar.—Frank Smith's residence; loss \$6000.

N. C., Winston-Salem.—J. L. Wimlish's residence; loss \$3000.

N. C., Floral College.—Neill Alford's cotton gin; loss \$5000.

S. C., Saluda.—J. G. Mayson's ginhouse, grist mill and portion of sawmill at Good Hope Church; loss \$1500.

Tex., Clarksville.—L. M. Carpenter's residence; loss \$6000.

Tex., Glen Flora.—Heyne Bros.' Hotel, loss \$1500; J. H. Hudspeth's store, loss \$10,000; W. L. Davidson's store and postoffice, loss \$6000.

Tex., Houston.—Central Laundry; loss on building, owned by S. S. Haralson, \$4500.

Tex., Laurelia.—Benford Lumber Co.'s sawmill, blacksmith shop, feedhouse, commissary and office building; loss \$50,000.

Tex., Mount Pleasant.—St. Louis Southwestern Railway's coal chute; loss \$25,000; M. L. Lynch, Tyler, Tex., chief engineer.

W. Va., Huntington.—Lincoln county jail; loss \$20,000. Address County Commissioners.

BUILDING NOTES

APARTMENT-HOUSES

Ga., Atlanta.—Mutual Realty Co. building (recently noted) will be of fireproof construction; reinforced concrete frame, of cage construction, incased with brick and ornamental cement; stone trimmings; tile-covered roof garden; 10 stories; 45x60 feet; cost \$65,000; steam heat; electric lighting; elevator (electric push-button type); plans by A. Francis Walker, 1331 Candler Bldg., Atlanta; construction by day's work; building for hotel or bachelor apartments.

Mo., Kansas City.—J. G. Holloway secured permit for erection of apartment-house; three stories; 112x32 feet; brick; 12 apartments; cost \$30,000.

Mo., Kansas City.—D. R. Strauss secured permit for erection of two-story brick apartment and store building.

Mo., Kansas City.—H. V. Reuther secured permit for erection of brick apartment and store building to cost \$10,000.

Mo., Kansas City.—A. V. Thurmond will erect apartment-house; two stories; 38x51 feet; four apartments; cost \$12,000.

Mo., Kansas City.—A. L. Parks & Son will erect apartment-house; two stories; 25x79 feet; brick; four apartments; cost \$13,000.

Mo., St. Louis.—Mrs. K. Fedder will erect four two-story apartment-houses to cost \$12,000.

Mo., St. Louis.—Realty Savings & Investment Co. secured permit for erection of apartment-house; three stories; brick; 124x82 feet; 104 rooms arranged into 24 suites; cost \$45,000; Benjamin F. Knauff is contractor and Edward F. Nolte architect, both of St. Louis.

Mo., St. Louis.—A. A. Fischer Architectural & Building Co. secured permit for erection of two apartment-houses in Washington Heights; three stories; cost \$16,000.

Okla., Tulsa.—R. J. Stone will erect apartment-house; 60x15 feet; cost \$7000.

Mo., St. Louis.—Waterman Improvement Co. purchased site, 101x195 feet, on which to erect apartment-house; six stories; 24 apartments, ranging from six to nine rooms each; estimated cost \$200,000; plans by Mariner & LeBeaume of St. Louis.

Tenn., Memphis.—Wellington Terrace Co. incorporated with \$40,000 capital stock by H. B. Hynum, W. B. Troy, S. H. Stout, Frank H. Reid and J. J. Stevenson to erect apartment-houses on Wellington Terrace, where it controls 1300 feet frontage; will eventually erect 72 buildings, each containing four and five suites of apartments, and supplied with hot and cold water, etc.

W. Va., Welch.—E. H. Sudduth contemplates erecting three-story apartment-house.

BANK AND OFFICE BUILDINGS

D. C., Washington.—Horace Westcott, 816 17th St. N. W., will receive new bids on erection of store and office building recently mentioned; 50x75 feet; fireproof construction; steam or hot-water heat; electric lighting; plans by Nathan Wyeth, Washington.

Ga., Chickamauga.—Bank of Chickamauga (G. L. Bonds, J. L. Moore and others) will erect bank building.

Ky., Georgetown.—G. H. Nunneley has plans for office building; four stories and basement; business-rooms on first floor; offices on upper floors.

Md., Baltimore.—Baltimore County Water & Electric Co., Frederick W. Feldner, president, 411 East Baltimore St., purchased site, 36x50 feet, on which to erect office building.

Md., Baltimore.—Charles W. Hurst, 1201 Calvert Bldg., purchased three-story brick building at Saratoga and Courtland Sts. and will convert into office building.

Md., Baltimore.—Suburban Savings Bank of Hamilton, F. W. Glantz, 22 Hamilton Ave., treasurer, will erect bank building.

N. C., Fountain.—Bank of Fountain, Henry C. Bridgers, president, Tarboro, N. C., will erect bank building; brick structure; 28x65 feet; cost \$5000; to be completed about May 15.

Okla., Albion.—First State Bank building will cost within \$3000; brick structure; 25x50 feet; plans by W. H. Blakeley, Fort Smith, Ark.; contractor, W. P. Hunt, Albion; construction progressing.

Okla., Butler.—Guaranty State Bank, A. H. Carter, cashier, awarded contract for erection of cement bank building; 25x60 feet; cost \$1500.

S. C., McColl.—Farmers and Merchants' Bank will remodel brick building; plans by Ernest V. Richards, Bennettsville, S. C.; days' work. (See "Machinery Wanted.")

S. C., Wagoner.—Bank of Wagoner, P. N. Gunter, president, awarded contract to Henry Huttle, Columbia, S. C., for erection of bank building recently mentioned; two-story fireproof structure; 25x54½ feet; cost \$5000. (See "Machinery Wanted.")

Tex., Aransas Pass.—First State Bank, A. H. Danforth, president, will occupy building to be erected by J. J. Todd, Aransas Pass; 75x80-foot brick structure; cost \$5000; for bank, store and offices. (See "Machinery Wanted.")

Tex., Dallas.—Commonwealth National Bank, Ragan Wofford, president, Dallas, and Jesse Jones and associates of American Construction Co., Houston, Tex., will have plans prepared by Mauran & Russell, St. Louis, Mo., for office building; 17 stories; steel frame; fireproof; cost about \$1,000,000; site 78x95 feet. (Recently Mentioned.)

Tex., Caddo Mills.—First National Bank of Caddo Mills awarded contract to R. A. Long, Caddo Mills, for erection of bank building previously mentioned; 71x80 feet; brick construction; stores; cost \$5000; plans by G. Lindsey, Greenville, Tex.

Tex., Dallas.—Dr. John O. McReynolds, Harry L. Seay and Dr. Dero E. Seay purchased six-story trust building for \$165,000 and will remodel.

Va., Roanoke.—Roanoke Gas & Water Co. has plans by H. M. Miller of Roanoke for office building; three stories; fireproof; cost \$7000. (See "Water-Works.")

Va., Norfolk.—F. S. Royster purchased site, 55x75 feet, for \$160,000 on which, it is reported, to erect office building.

Va., Roanoke.—Anchor Company has plans by H. M. Miller, Roanoke, for office building recently mentioned; 95x120 feet; steel fireproof construction; cost about \$70,000.

Va., Richmond.—W. Creed Davis and others purchased site on which to erect office building for professional men.

CHURCHES

Ala., Bessemer.—Methodist congregation will erect edifice to cost \$40,000. Address The Pastor, Methodist Church.

Ala., Bessemer.—Methodist Church contemplates erecting edifice to cost \$40,000; Dr. T. F. Robinson, chairman building committee.

Ala., Gadsden.—Beth Israel Congregation is

considering erection of edifice. Address The Rabbi, Beth Israel Church.

Ala., Norwood, R. F. D. from Brantley.—M. E. Church South, Rev. R. E. Tyler, pastor, will erect edifice.

Ark., Newport.—Methodist Congregation will rebuild burned edifice. Address The Pastor, Methodist Church.

Fla., Fort Myers.—Bonfoey & Elliott of Tampa have prepared plans and are soliciting bids on erection of edifice; 30x80 feet; brick veneer walls 25 feet; metal-shingle roof; seating capacity 200; Rev. William J. Tyrrell is pastor.

Ga., Savannah.—Bids are invited until February 14 on plaster and terra-cotta work to be done on Cathedral St. John the Baptist; plans and specifications can be seen at office of J. de Bruyn Kops, architect, Savannah; certified check, \$300.

Ga., Statesboro.—St. John's M. E. Church, Rev. S. E. Cruse, pastor, P. O. Box 110, has not yet selected architect to prepare plans for edifice recently reported burned; 40x60 feet; frame; cost about \$3000.

Ky., Paris.—Methodist Episcopal Church, M. J. Chandler, pastor, will rebuild edifice recently reported burned.

La., Crowley.—St. Michael's Catholic Church, Rev. Father Isenberg, pastor, contemplates erection of brick edifice.

Md., Baltimore.—Methodist Episcopal Church South plans erection of \$150,000 edifice at Charles St. and University Parkway; Rev. E. V. Register, presiding elder, Preston St. and Madison Ave.

Md., Cambridge.—Cambridge Baptist Church, Rev. Amos Clary, pastor, has not selected architect to prepare plans for edifice recently reported burned; brick or concrete blocks; steam or hot-water heat; electric lighting; seating capacity, 700; cost within \$8000; will open bids February 15.

Md., Denton.—St. Mary's Whitechapel congregation, Rev. J. Gibson Gantt, rector, contemplates erecting edifice.

Mo., Kansas City.—Wabash Avenue Christian Church, Rev. D. Y. Donaldson, pastor, has plans by Clifton B. Sloan of Kansas City for edifice, to contain gymnasium, swimming pool and shower baths; adjoining auditorium; 100x110 feet.

N. C., Morven.—Methodist church will erect edifice to cost \$10,000; J. L. Little, chairman building committee.

N. C., Raleigh.—Evangel Baptist Congregation purchased site on which to erect edifice. Address The Pastor, Evangel Baptist Church.

Okla., Enid.—Temple Emanuel Congregation, M. Godschalk, president, will erect synagogue.

S. C., Summerton.—Methodist Congregation contemplates erecting edifice. Address The Pastor, Methodist Church.

Tenn., Buntyn.—Methodist congregation has plans completed for proposed edifice; two stories; pressed brick; slate roof. Address The Pastor, Methodist Church.

Tenn., Knoxville.—Methodist churches will erect chapel; brick; seating capacity, 250; cost \$3000; plans by L. C. Waters of Knoxville; Rev. J. B. Carnes of Southern Methodist Church will be pastor.

Tex., Beaumont.—First Baptist Church, Rev. C. A. Ridley, pastor, has not yet selected architect to prepare plans for annex to edifice recently noted; 45x95 feet; fireproof construction; steam heat; electric lighting; cost \$25,000.

Tex., Dallas.—East Dallas Christian Church, Rev. Cephas Shelburne, pastor, awarded contract for foundation and basement of proposed edifice; press brick; stone trimmings; church auditorium and Sunday-school room to have total seating capacity of 1000; cost \$35,000.

Tex., Dallas.—Oak Lawn Methodist Church, Rev. D. K. Porter, pastor, will erect edifice to cost about \$35,000 in Oak Lawn.

Tex., Houston.—Trinity Episcopal congregation secured site, 100x250 feet, on which to erect church building and rectory. Address The Pastor, Trinity Episcopal Church.

Tex., Houston.—Lubbock Street Presbyterian Church, Dr. Hudson, pastor, has completed arrangements for beginning construction work on proposed edifice; brick; seating capacity, 600; estimated cost, \$10,000; plans by Cook & Co.; contract awarded to C. H. Winn; both of Houston.

Tex., Fort Worth.—Broadway Presbyterian Church awarded contract to H. Abbott of Fort Worth to erect edifice; brick and stone; 90x110 feet; ordinary construction; Sunday-

school rooms on ground floors; main auditorium above to have three galleries, giving total seating capacity of 1000; cost about \$65,000; plans by Sanguinet & Staats, First National Bank Bldg., Fort Worth. (Recently mentioned.)

Tex., Houston Heights.—Grace Methodist Church, Rev. T. M. Brownlee, pastor, is having plans prepared for edifice; brick; seating capacity of main floor of auditorium, 750, and of gallery, 300; cost \$15,000.

Tex., Orange.—Methodist church contemplates erecting edifice; J. T. Adams, chairman committee to purchase site.

Tex., Orange.—Methodist Congregation is considering erection of edifice. Address The Pastor, Methodist Church.

Tex., Pecos.—Baptist Church awarded contract to L. B. Westerman Company, Fort Worth, Tex., to erect edifice; 74x102 feet; 10 Sunday-school classrooms; cost \$25,000.

Tex., Winchester.—Methodist Congregation will rebuild edifice destroyed by storm. Address The Pastor, Methodist Church.

Tex., San Antonio.—Beacon Hill Baptist Church, Rev. T. M. Thomas, pastor, has plans for edifice to cost about \$30,000; structure will be erected in sections, first part to be Sunday-school rooms; to cost \$12,000; 15 classrooms, which can be thrown into one auditorium by means of folding partitions; seating capacity, including rooms in basement, 600; total seating capacity of building 1500; material, brick and stone; oak interior finish; site 120x100 feet. (Previously mentioned.)

Va., Richmond.—Fourth Baptist Church, Rev. Evans Payne, pastor, will erect brick addition to edifice; cost \$4000.

W. Va., Wheeling.—Eoff Street Temple is having plans prepared by Giesey & Faris of Wheeling for addition to edifice.

COURTHOUSES

Ala., Birmingham.—Board of Revenue accepted plans by H. B. Wheelock of Birmingham for \$50,000 addition to courthouse. (Recently mentioned.)

Ga., Millen.—Jenkins county will rebuild courthouse recently reported burned; will erect mill-construction building; 75x60 feet; cost within \$50,000; electric lighting; J. P. Applewhite, chairman.

Okla., Ardmore.—Carter County Commissioners accepted plans by Layton, Smith & Hawk, Oklahoma City, Okla., for courthouse; brick and concrete; three and a half stories; estimated cost \$15,000; Robert F. Suvally, chairman Board County Commissioners. (Recently mentioned.)

Okla., Marietta.—Love county, John I. Pittman, County Clerk, will expend \$75,000 to erect courthouse and jail previously mentioned.

Va., King George.—King George county's proposed courthouse will be two stories high; size 42 feet 5 inches by 65 feet 4 inches; county offices on first floor, courtroom above; record-room fireproof; balance of building ordinary construction; cost within \$12,000; plans by B. F. Smith, Pope Bldg., Washington, D. C. (Proposals recently noted to be received January 29, addressed to F. C. S. Hunter, County Clerk, King George.)

DWELLINGS

Ala., Eufaula.—E. H. Graves will erect residence to replace burned structure.

Ala., Gadsden.—Otto Agricola purchased site, 110x200 feet, and will erect residence.

Ala., Huntsville.—A. M. Booth will erect four dwellings.

D. C., Washington.—James Martin has plans by Dan B. Miller, Jr., District Bldg., Washington, for 13 residences on Kilbourne, Kenyon and 18th Sts.; three stories; brick; concrete cellar entire length of house; hot-water heat; electric lights; tile roofing and mansard; cost \$75,000.

D. C., Washington.—H. R. Howenstein Company will erect number of dwellings on 8th and K Sts. and 6th St., between I and K Sts.; colonial style; steel construction; six to eight rooms; hardwood finish.

D. C., Washington.—D. D. Thompson, 135 F St. N. W., has plans by G. Jordan Bailey, 135 F St. N. W., Washington, for two dwellings at 3827-3829 Georgia Ave. N. W.; two stories; brick; cost \$6000; construction by owner.

Fla., Tampa.—O. S. McDonald is having plans prepared by Bonfoey & Elliott, Tampa, for 4000 bungalow in Macfarlane Park.

Ga., Dublin.—K. J. Hawkins awarded contract to D. J. Muns for erection of seven-room dwelling recently mentioned; two stories; ordinary construction; fireplaces; electric lighting; cost \$3000.

Ga., Hawkinsville.—J. A. Murphy awarded contract to J. L. Huggins, Hawkinsville, for erection of dwelling to replace burned structure.

La., New Orleans.—W. W. Reid has plans by R. S. Soule, 1013 Hennen Bldg., New Orleans, for proposed eight-room dwelling; two stories; hot-air heat; cost \$10,000; architect will have charge; contracts let separately.

La., New Orleans.—B. D. Ladd, Indianapolis, Ind., will erect 10 dwellings; also secured contract for erection of seven other dwellings.

Md., Baltimore.—James Keely, Baltimore St., near Gorman Ave., will erect 23 two-story dwellings on Baltimore St.; 22 14x45 feet; one 30x35; cost \$34,500.

Md., Baltimore.—Julius Requaard, Hamilton, Md., purchased site on Beechwood Ave., near Harford Rd., and will divide into 40 lots 50x150 feet and erect cottages.

Md., Baltimore.—George H. Haynes, Belle Ave., near Garrison Ave., will erect bungalow on Allendale Ave.; 28x44 feet; slate roof; steam heat; cost \$3500.

Md., Baltimore.—William Penrose, 209 St. Paul St., will erect number of dwellings on Barclay, 26th and 27th Sts.; two stories; brick.

Md., Baltimore.—Chas. E. Litzinger, 922 38th St., will expend \$2000 each in erection of 12 dwellings recently described; 14x50 feet; fireproof partitions; plans by F. E. Beale, 213 St. Paul St., Baltimore; construction by owner.

Md., Baltimore.—Louis Pincus, 2105 Eagle St., has plans by Jacob F. Gerwig, 11 East Lexington St., for 12 dwellings recently reported; 15x52 feet; ordinary brick construction; electric lighting; cost \$24,000; construction by owner. (See "Machinery, etc., Wanted.")

Md., Baltimore.—D. M. Newbold & Sons, 443-453 Calvert Bldg., have plans by William N. Hildebrand, 8 North Pulaski St., Baltimore, for 10 dwellings on Payson St.; brick; marble trimmings; steam heat; about 14x53 feet; four three stories; six two stories; cost \$17,000.

Md., Baltimore.—Adolph F. Decker, Fidelity Bldg., will erect nine cottages on Jayne Ave., two stories; porch front; brick.

Md., Baltimore.—George N. MacKenzie, Govans, Md., prepared plans for \$9000 residence at Cedarcroft Rd. and Walnut La.; frame construction.

Md., Baltimore.—Webb & White, Forest Park, Baltimore, will erect seven dwellings, one at Brookline Ave., near Garrison Ave.; 10 rooms; slate roof; steam heat; cost \$5000.

Md., Baltimore.—Cedarcroft Land Co. awarded contract to Louis C. Wood, York Rd. and Lake Ave., Baltimore, for cottage at Cedarcroft; two and a half stories; frame.

Md., Baltimore.—Benjamin F. Hearn, Knickerbocker Bldg., will erect residence at Ten Hills; cost \$7000.

Md., Roland Park, Station L, Baltimore.—E. F. Kelly, 431 Roland Ave., awarded contract to Roland Park Company, Roland Park, for erection of residence on Edgevale Rd.

Md., Glencoe.—William H. Graftin, Vickers Bldg., Baltimore, Md., awarded contract to Walter E. Burnham, Builders' Exchange, Baltimore, for remodeling residence at Filston Manor, including erection of addition in rear; plans by Wilson L. Smith, Law Bldg., Baltimore.

Md., Roland Park, Station L, Baltimore.—C. M. Hunt has plans by Elliott & Emmart, Union Trust Bldg., Baltimore, for residence on Club Rd.

Md., Roland Park, Station L, Baltimore.—John L. Swope, 1912 Park Ave., awarded contract to Ignatius Smith, 1719 Liberty Rd., Baltimore, for erection of residence on Longwood Rd.; two and a half stories; frame; hardwood finish.

Miss., Vicksburg.—Mrs. Ella Schmidt awarded contract to W. H. Padgett, Vicksburg, for erection of eight cottages recently mentioned; 24x31 feet; ordinary construction; cost \$7000; plans by M. J. Donovan, Vicksburg. (See "Machinery Wanted.")

Mo., Kansas City.—R. G. Barnett will erect residence; two stories; stone.

Mo., Kansas City.—Frederick Taylor awarded contract to Louis Breitog & Son, Master Builders' Exchange, Kansas City, for erection of dwelling and garage recently mentioned; two stories; 54x52 feet; cost \$18,000; plans by Howe & Holt, 315 East 10th St., Kansas City; all contracts let.

Mo., Sikeston.—Mrs. H. M. Stallcup has plans by Matthews & Clarke, Missouri Trust

Bldg., St. Louis, Mo., for bungalow; one story; frame; concrete foundation; shingle roof; galvanized-iron cornice; gas and electric lights, etc.; hot-water heat; structure will be 48x60 feet; ordinary construction; cost \$12,000; will open bids February 1.

Mo., St. Louis.—Kennet Green will erect two-story residence; cost \$17,000.

N. C., Charlotte.—E. L. Kessler will erect residence.

N. C., Charlotte.—W. W. Watt, Jr., will erect residence.

Miss., McComb.—Hugh L. White will rebuild dwelling recently reported burned; cost \$8,000.

Mo., Kansas City.—Clifford F. Hall will erect residence; 36x42 feet; two stories and attic; brick and concrete; cost \$10,000.

N. C., Charlotte.—Harold S. Hall will erect residence.

N. C., Charlotte.—P. M. Cave will probably erect residence.

N. C., Weldon.—J. L. Shepherd awarded contracts to House Bros., Weldon, for erection of two dwellings in South Weldon.

N. C., Weldon.—J. G. Duval will erect residence in South Weldon; electric lighting; hot-air heat; water-works.

N. C., Winston-Salem.—J. L. Wimble will rebuild dwelling reported burned; nine rooms; ordinary construction; cost \$2750.

Tenn., Chattanooga.—J. M. Trimble, care of Wheeler & Trimble, First National Bank Bldg., has not yet awarded contract for erection of proposed two-story dwelling; brick; composition roof; cabinet mantels; electric lighting; plans by Adams & Alsop, James Bldg., Chattanooga. Architects may be addressed.

Tenn., Columbia.—Rev. T. H. Porter will erect six-room cottage.

Tenn., Dandridge.—Webb Rimmer will erect dwelling.

Tenn., Dandridge.—Ed Moreland will erect residence.

Tenn., Danti.—James Sterchi will erect residence.

Tenn., Knoxville.—Harry A. Pickel will erect \$4,000 residence.

Tenn., Memphis, Station C.—Clarence Colly will rebuild dwelling recently reported burned; 40x40 feet; stone and frame; hot-water heat.

Tenn., Nashville.—R. C. Ewing awarded contract to J. W. Patrick, Nashville, to erect residence; gray brick; slate roof; cost \$12,000.

Tenn., Nashville.—C. L. Goodshell will erect residence; brick; eight rooms; cost \$5,000.

Tenn., Nashville.—John J. Hedlin will erect bungalow; cream brick; cost \$4,000.

Tenn., Nashville.—W. S. Bransford has plans by Thomas S. Marr, Nashville, for residence; old colonial style; semi-glazed cream brick; 16 rooms and two baths; glass porches on side and back, upstairs and down; hot-water heat; servants' house and garage; four rooms; green slate roof; Edgefield & Nashville Manufacturing Co., Nashville, has contract for carpenter work and E. T. Lewis Company, Nashville, for brick and foundation work; cost \$25,000.

Tenn., Nashville.—F. O. Watts has plans by Thomas S. Marr for residence; colonial style; brick; hot-water heat; garage under front portico; cost \$30,000.

Tenn., Nashville.—R. C. Ewing, Columbia, Tenn., awarded contract to J. W. Patrick, Nashville, for erection of residence; gray brick; slate roof; cost \$12,000.

Tenn., St. Elmo.—W. M. Howard, care of Miller Bros., Chattanooga, Tenn., contemplates erection of dwelling; two stories and basement; brick; cost \$3,000.

Tenn., St. Elmo.—George E. Williams, 601 Georgia Ave., contemplates erection of two-story dwelling; stucco; metal shingle roof; hard-pine interior finish; hot-air or hot-water heat; cost \$3,000.

Tex., Bay City.—Judge Gaines awarded contract to O. H. Hatchett, Bay City, for erection of \$12,000 colonial residence; plans by Green & Briscoe, Houston, Tex.

Tex., Center.—H. N. Runnels will erect two-story brick residence.

Tex., Houston.—Trinity Episcopal Church will probably erect rectory.

Tex., Houston Heights.—R. A. Burge, Houston, Tex., will erect dwelling.

Tex., Houston.—W. W. Crosby will erect bungalow; Western type; reinforced concrete; exterior wall tapestry brick; tile roof; cost \$10,000; garage in rear; fireproof; concrete construction; turning table in center.

Tex., Quanah.—First Christian Church, S.

F. McFarland, treasurer, awarded contract to Quanah Planing Mill Co. for erection of parsonage recently mentioned; six-room bungalow, with study and bath; mill construction; cement sidewalks; plans by C. M. Hall, Quanah.

Tex., Waco.—William Cameron will erect \$50,000 residence.

Tex., Woodward.—Hust & Brundage and J. S. Sweet are planning to erect number of dwellings. (See "Land Development.")

Va., Altavista.—S. L. Rucker will erect residence.

Va., Altavista.—J. J. Board, Lynch Station, Va., will erect residence.

Va., Franktown.—Methodist church is planning to rebuild parsonage recently reported burned; loss \$300; Rev. D. G. C. Butts, pastor.

Va., Norfolk.—W. T. Eastwood and E. Thompson, Jr., awarded contract to J. N. Harris, Norfolk, for erection of four two-story tenement-houses; cost \$4,000.

W. Va., Ronceverte.—Miller-Crosier Co. will erect number of dwellings for employees. (See "Lumber-manufacturing Plants.")

GOVERNMENT AND STATE BUILDINGS

Ga., Athens.—Postoffice and Courthouse.—Bids will be received at office of James Knox Taylor, supervising architect, Treasury Department, Washington, D. C., until March 5 for extension, remodeling, etc. (including plumbing, gaspiping, heating apparatus, electric wiring and conduits), of United States postoffice and courthouse at Athens in accordance with drawings and specifications, copies of which may be had from custodian at Athens or at above office at discretion of supervising architect.

Ky., Frankfort.—Postoffice and Courthouse, Treasury Department, office of Supervising Architect James Knox Taylor, Washington, D. C. Proposals will be received until March 14 for extension, remodeling, etc. (including plumbing, gaspiping, heating apparatus, electric conduits and wiring and standard clock system), of United States postoffice and courthouse at Frankfort in accordance with drawings and specifications, copies of which may be had from custodian at Frankfort or at above office, at discretion of architect.

Miss., Natchez.—Fair Buildings.—Fair committee of Natchez Chamber of Commerce decided to secure options on tracts of land suitable for erection of exposition buildings and stock pens.

Miss., Meridian.—Postoffice and Courthouse, Treasury Department, office of supervising architect, James Knox Taylor, Washington, D. C. Time for opening bids for extension, remodeling, etc. (including plumbing, gaspiping, heating apparatus, electric conduits and wiring and standard clock system) of United States postoffice and courthouse, Meridian, Miss., has been extended from February 8, as lately stated, to March 2.

N. C., Goldsboro.—Postoffice.—Treasury Department, office of James Knox Taylor, Washington, D. C. Date of opening bids for construction (including plumbing, gaspiping, heating apparatus, electric conduits and wiring) of extension to United States postoffice at Goldsboro has been extended from January 31 to February 25.

Tex., Fort Crockett (not a postoffice).—Capt. H. Whitworth, constructing quartermaster, has received plans for 13 additional buildings to be erected at army post and is preparing to advertise for bids; structures will include eight commissioned officers' quarters, coal shed, oilhouse, forage storehouse, engineer and ordnance repair shop, including space for carpentry, blacksmith and paint departments; construction work on buildings previously mentioned is progressing.

Va., Lynchburg.—Postoffice and Courthouse. Date of opening bids for construction of extension, etc., except elevator (including plumbing, gaspiping, heating apparatus, electric conduits and wiring and standard clock system) at United States postoffice and courthouse has been extended from February 10, as lately stated, to March 3.

HOTELS

Ga., Atlanta.—Mutual Realty Co. will erect proposed \$65,000 10-story hotel or bachelor apartment-house by day's labor. (See "Apartment-Houses.")

Ga., Columbus.—George B. Whiteside will, it is reported, erect building adjoining Commercial Hotel; three stories; brick; electric lighting; stores on ground floor; upper floor rented to Mrs. Shaw, lessee of Commercial Hotel; cost \$10,000.

Md., Baltimore.—Joseph Evans Sperry, 409

Calvert Bldg., Baltimore, has announced plans of hotel to be built by Isaac E. Emerson (2500 Eutaw Place) at Baltimore and Calvert Sts.; contract for erection awarded to W. H. Parker, Clay St., between Charles and Liberty Sts.; structure is to be 15 stories; first three stories of granite or marble and walls above of semi-glazed brick and terracotta; roof of tile or slate; exterior window frames of metal; corridors floored with marble or tile and room floors with tile, cement or other fire-resisting material; carriage entrance on Calvert St. to be protected by glass and iron marquise; corridor or lobby to extend through first story, with alcoves on sides for offices, etc.; principal dining-room to be on Baltimore St. side and extend through two stories; 253 bedrooms, each with communicating bathroom; 11 private parlors on 11 bedroom floors; fourteenth floor to be divided into offices for display and sale of merchandise; partitions of offices opening on corridors to be of glass and metal; fifteenth floor for dormitories for servants; entire roof to be devoted to covered roof garden, which is to be divided into two dining-rooms, service kitchen, etc.; power plant, consisting of boilers, engines, generators, hydraulic plunger elevator apparatus, refrigerating plant, filtering and pumping plant, steam laundry, ventilating equipment, vacuum cleaning apparatus and garbage freezing room, to be placed in basement; estimated cost \$1,000,000. (Previously mentioned.)

Miss., Iuka.—Iuka Springs Mineral Hotel Co. incorporated with \$30,000 capital stock by James H. Faircloth, W. W. Steele, A. B. Patterson, all of Iuka, and others.

N. C., Norwood.—Norwood Development Co. incorporated with \$25,000 capital stock by T. A. Hatcock and others.

Tenn., Dickson.—V. B. Miller, owner, will rebuild Mays Hotel recently reported burned.

Tenn., Memphis.—Phil Lewis is promoting plan to lease old courthouse and remodel as store, hotel and theater.

Tex., Fort Worth.—Winfield Scott has decided on final plans for proposed four-story addition to Terminal Hotel; estimated expenditure, \$125,000.

Tex., Penn City (not a postoffice).—Penn City Home Building Co., W. H. Gemmer, Houston, Tex., president, has contract to erect 40-room hotel. (See "Miscellaneous Enterprises.")

Tex., Woodward.—Hust & Brundage and J. S. Sweet, San Antonio, Tex., contemplate erecting tourist hotel. (See "Land Developments.")

MISCELLANEOUS STRUCTURES

Ala., Birmingham.—Business.—Wimberly-Thomas Hardware Co. will erect addition to present structure; five stories; 30x182½ feet; cost \$50,000.

Ala., Birmingham.—Fraternal.—Fraternal Hall Association has plans by S. Scott Joy, Birmingham, for fraternal temple; four stories and basement; reinforced concrete and brick veneer; elevators. (Previously noted.)

Ala., Lexington.—Lodge.—Odd Fellows' Lodge will erect building; J. W. Lanier and B. B. White, building committee.

Ark., Argenta.—Business Block.—Morrison Construction Co., Little Rock, Ark., has contract for erection of \$70,000 two-story business block with flats above; structural steel, stone, terra-cotta and mill work; heating, wiring and plumbing to be sublet. (See "Machinery Wanted.")

Ark., Corning.—Store.—R. E. Hawks has plans by and awarded contract to Oscar Williams, Corning, for erection of business building recently mentioned; 70x80 feet; two stories; hydraulic pressed brick; double-decked plate-glass front; cost \$6,000.

Ark., Little Rock.—Association.—Knights of Pythias has plans by Chas. L. Thompson, Little Rock, for Pythian Castle; three stories; brick.

D. C., Washington.—Dan B. Miller, Jr., District Bldg., Washington, prepared plans for store and dwelling at 4½ and L Sts. S. W.

D. C., Washington.—Agricultural.—William Butler, J. H. Johnson and Samuel Maddox, 714 3d St. S. E., awarded contract to J. H. Johnson, Washington, for repairing Agricultural Department building at 200-202 14th St. S. W.; cost \$750; plans by Andrew J. Fisher, Washington.

Ga., Atlanta.—Business.—Adair & McCarty will erect business building; three stories; brick.

Ga., Atlanta.—Business.—W. M. Crumley will erect business building; three stories; brick.

Ga., Atlanta.—Store.—Ward-Truitt Company's building (company recently reported organized with \$200,000 capital stock by W.

A. Ward and others) will be seven stories; 50x100 feet; mill construction; electric lighting; heating not decided; one freight and one passenger elevator; plans by W. T. Downing, Prudential Bldg., Atlanta; bids opened. (See "Machinery Wanted.")

Ga., Cochran.—J. H. Mulden will erect brick store building.

Ga., Crawfordsville.—Store.—J. F. Holden awarded contract to C. H. Goloucke & Sons, Crawfordsville, for rebuilding burned building recently noted; 4x66 feet; fireproof construction; cost \$6500.

Ga., Hawkinsville.—Business.—Buff & Bennett awarded contract to J. L. Huggins, Hawkinsville, for erection of two brick stores; 35x80 feet; ordinary construction; cost \$3500; plans by Mr. Huggins.

Ga., Savannah.—Business.—E. Robinson will erect several business buildings.

Ga., Waycross.—Union Temple.—Labor Union, Charles Butler, president, are planning to erect temple; reinforced concrete; three or four stories; cost \$3,000.

La., New Orleans.—Store.—Krauss Company will erect addition to store building; five stories; 55x130 feet; mill construction; pressed brick.

La., New Orleans.—Temple.—Jerusalem Temple, Mystic Shriners, is preparing for erection of proposed temple; cost \$200,000; Otto T. Maier, chairman building committee.

La., New Orleans.—Store.—Vincent & Hayne have not yet awarded contract for erection of building recently mentioned; six stories; 52x85 feet; fireproof construction; low pressure steam heat; electric lighting; combined passenger and freight elevator (push button control); plans by Frank P. Graveley & Co., 330 Carondelet St., New Orleans.

Md., Arlington.—Store.—Charles T. Cockey, Main St. and Garrison Ave., will erect store and warehouse.

Md., Baltimore.—Spear Bros., 102-104 Hopkins Pl., awarded contract to J. Henry Miller, 110 Dover St., Baltimore, for remodeling structure damaged by storm; cost \$20,000. (Previously mentioned.)

Md., Baltimore.—Industrial Exchange.—Woman's Industrial Exchange, Mrs. C. W. Bassett, president, Charles and Pleasant Sts., will erect building to replace present structure.

Md., Baltimore.—Hospital.—Directors of South Baltimore General Hospital are planning erection of 100-bed hospital; cost \$100,000; J. Barry Mahool, Mayor, chairman, City Hall.

Md., Pen-Mar.—Pavillion, etc.—Western Maryland Railroad, I. Loy, superintendent of construction, Union Bridge, Md., is planning improvements at Pen-Mar Park, including erection of dancing pavillion 100x100 feet; remodeling present pavillion for dressing-rooms, erection of depot.

Mo., Hollister.—T. J. Bacon, Springfield, Mo.; G. F. Bailey, Kansas City, Mo.; J. M. Patterson, Sedalia, Mo., and others are interested in organization of \$50,000 company to erect assembly, dining hall and recitation halls and bungalows on 160-acre tract near Hollister for Presbyterian Synod of Missouri; will construct drives, parks, etc.

Mo., Kansas City.—Settlement.—Thomas H. Swope Social Settlement has not awarded contract for erection of buildings previously mentioned; main building, 50x105 feet; two wings, 30x50 feet; ordinary construction; plans by Henry F. Holt, 315 East 10th St., Kansas City, Mo.

Mo., St. Louis.—Store.—Tutt estate will expend \$75,000 in improvements to business building to be occupied by Lammert Furniture Co.; contract recently noted awarded to Murch Bros. Construction Co., St. Louis; structure will be 122x148 feet; ordinary construction; steam heat; electric lighting; two passenger and two freight elevators; plans by J. L. Wees, St. Louis.

Mo., St. Louis.—Mercantile.—Independent Breweries Co. will erect mercantile building; cost \$12,000.

Mo., St. Louis.—Turnverein.—Tower Grove Turnverein will erect building; 127x133 feet; four stories and basement; cream brick and terra-cotta; auditorium with seating capacity of 1050 people; financed and erected under supervision of Seidel & Bryan, 916 Walnut Bldg., St. Louis.

N. C., Charlotte.—Business.—P. M. Brown is having plans prepared by Louis Asbury, Charlotte, for business building; three stories; white-glazed terra-cotta front; cost \$4,000.

N. C., Greensboro.—Association.—Young Men's Christian Association is planning erection of association building; R. C. Nordeet, Winston-Salem, N. C.; J. J. Stone, O. C. Wyong, both of Greensboro, and others are interested.

Okl., Ardmore.—Building committee of Confederate Home has not yet awarded contract for erection of proposed building; 110x123 feet; cost \$25,000; plans by J. B. White, Ardmore.

Okl., Cleo.—Sanitarium.—Doctors Keeler, Davis and Blackwell of Enid, Okla., are promoting erection of \$15,000 sanitarium; also contemplate establishment of bottling plant and erection of bathhouse in connection.

Okl., Enid.—Business.—O. A. Triplett is having plans prepared by A. A. Crowell, Enid, for business building; red pressed brick; limestone trimmings; 125 feet deep; elevator; at least four stories and basement.

Okl., Tulsa.—Business.—Lon S. Stansberry awarded contract for erection of addition to business block; three stories; 40x50 feet; brick; stone trimmings; cost \$900.

S. C., Anderson.—Hospital.—Anderson County Hospital awarded contract to C. M. Guest, Anderson, for erection of addition; brick; two stories; 51x65 feet; electric lighting; cost \$8000; plans by J. H. Calser, Anderson; construction begun.

Tenn., Bristol.—Business.—Claude H. Brady, Roanoke, Va., will rebuild business building recently reported burned; loss \$15,000.

Tenn., East Lake.—Business.—D. Street, care of J. P. Whited, contemplates erection of three-story brick building.

Tenn., Knoxville.—Lodge.—Fraternal Order of Eagles is planning to erect building; cost \$40,000.

Tenn., St. Elmo.—Store.—Clough Bros., Quincy, Ill., contemplate erection of two-story building; first floor, store; second floor, dwelling; cost about \$4000.

Tex., Dallas.—Business.—Easterwood, Fielder & Bolanz will erect business building; three stories; brick and stone; cost \$10,500.

Tex., Dallas.—Lodge.—Knights of Macabees will erect \$20,000 lodge building; two stories and basement; steam heat.

Tex., Dallas.—Business.—Russell V. Rogers will erect business building; two or three stories; brick; cost \$14,000.

Tex., Dallas.—Business.—Mrs. Rembert and Rhodes S. Baker will erect business building; brick; three stories; cost \$15,000.

Tex., Dallas.—Business.—N. M. Harper will erect two-story business building.

Tex., Dallas.—Business.—Leon Fechenbach will erect business building; 40x100 feet; brick.

Tex., Dallas.—Jail.—Dallas County Commissioners will expend between \$10,000 and \$15,000 for remodeling county jail; will probably erect two-story addition in rear; plans by Harrison & Fisher, Dallas.

Tex., Dallas.—Temple.—Dallas Tent of Macabees is having plans prepared by H. A. Overbeck, Dallas, for temple; two stories; 50x100 feet; steam heat; cost \$50,000.

Tex., Dallas.—Temple.—Dallas Lodge No. 700 and Tannehill Lodge No. 52, Masons, W. M. Holland, chairman building committee (recently noted purchasing 75x125-foot site for erection of Masonic Temple), have not yet completed definite plans for building; will probably be reinforced concrete or steel construction; cost about \$125,000.

Tex., Dallas.—Business.—C. C. Slaughtor will erect business building; three stories; brick and stone; cost \$20,000.

Tex., El Paso.—Business.—Anson Mills will erect two additional stories to business building and remodel present structure; will install glass fronts.

Tex., Fort Worth.—Labor Temple.—Frank Boggsman, J. S. Vance and others are interested in erection of proposed labor temple, to be financed by J. C. Ingram; plan erection of structure three stories; 85x120 feet.

Tex., Hempstead.—Lodge.—Chickasaw Tribe No. 3, Independent Order of Red Men, R. E. Thompson, chairman building committee, has not yet awarded contract for erection of building recently noted; two stories; 70x125 feet; first story will be elevated three feet; will contain gymnasium, banquet hall, bowling alleys, bath, pool and reading-rooms; second story to contain lodge hall and auditorium; 35x70 feet; seating capacity of auditorium, 600; heating and lighting not decided; cost \$20,000.

Tex., Houston.—Business.—March Culmore will erect business building; site 152x60 feet.

Tex., San Angelo.—Hospital.—Sisters of Incarnate Word, San Antonio, Tex., will erect hospital; four stories; cost \$36,000.

Tex., Houston.—Stable.—Levy Bros. awarded contract to D. A. Crawford, Houston, for erection of stable recently described; size 48x91 feet; plans by Oile J. Lorehn, Houston.

Tex., Kingsville.—Store.—R. Flato has plans by C. D. Hill & Co., Houston, for store building; one story; brick; 100x140 feet; cost \$25,000.

Tex., Orange.—Store, Warehouse, etc.—Joe Delebaro will erect store, warehouse and residence to replace structure recently reported burned; brick and cement construction.

Tex., Port Arthur.—Lodge.—Elks' Lodge is planning to erect \$30,000 lodge building.

Tex., Port Arthur.—Laughlin & Barrler will erect business building; one story; 50x40 feet; brick.

Va., Altavista.—Business.—G. R. Jordan will erect stone business building.

Va., Altavista.—Business.—W. T. Bernard will erect brick business building.

Va., Newport News.—Store.—R. I. Mason will open bids February 1 for erection of proposed building; three stories and basement; 50x90 feet; mill construction; steam heat; electric elevator; cost \$15,000; plans by C. T. Holtzclaw, Hampton, Va.

W. Va., Bramwell.—Business.—Mrs. Sallie G. Bryant, W. A. Lee, Edward Cooper, J. L. Lee and M. Abrahamson will rebuild structures recently reported burned; new structures of brick.

W. Va., Bramwell.—Store and Dwelling.—M. Abrahamson will erect store and dwelling to replace structure recently reported burned.

W. Va., Fairmont.—Jail.—Marion County Commissioners awarded contract at \$115,000 to C. P. Howell, Clarksburg, W. Va., for erection of jail and jailer's residence. (Recently mentioned.)

W. Va., Ronceverte.—Miller-Crosier Company will erect store. (See "Lumber-Manufacturing Plants.")

W. Va., Welch.—Business.—E. H. Sudduth will erect business block.

MUNICIPAL BUILDINGS

Ala., East Lake.—Fire Station.—City decided to change plans of proposed municipal building, now being erected, so as to provide for fire station only, eliminating city hall and jail features called for in original plans; estimated cost, \$3000. Address The Mayor.

Ala., Huntsville.—City Hall, etc.—City will vote February 28 on issuance of \$20,000 of bonds for purchase of Calhoun Block, to be used as city hall, Carnegie library and Y. M. C. A. home. Address The Mayor.

La., Amite City.—City Hall.—City voted \$3000 bond issue for erection of city hall; C. M. Mixon, Mayor.

Miss., Meridian.—Amusement Hall.—Park Commission, I. Marks, president, awarded contract to Percy Carson of Meridian to erect amusement hall at Highland Park; 50x75 feet; concrete base; 30 wooden columns surrounding entire building, with walls made of glass; tile roof; plans by S. B. Elsenrath of New York.

N. C., Raleigh.—Auditorium.—Municipal Building Commission awarded contract to J. B. Carr & Co., Atlanta, Ga., at \$96,415 to erect municipal building and auditorium; pressed brick; terra-cotta corals; plans by T. Thornton Marye, Atlanta, Ga.; Barrett & Thompson are local architects. (Recently noted.)

Okl., Claremont.—Park Building.—City is considering issuance of \$15,500 of bonds for City Park building and \$10,000 for parks. Address The Mayor.

S. C., Greenville.—City Hall.—City awarded contract at \$5750 to J. D. Grandy, Charlotte, N. C., to enlarge and remodel city hall; A. E. Sussem, City Clerk. (Lately mentioned.)

Tex., Paris.—Fire Station.—City will vote February 24 on issuance of \$5000 of bonds for erection of fire station in West Paris and improvement of station in East Paris. Address The Mayor. (Recently mentioned.)

Va., Lynchburg.—Hospital.—Council Committee on Public Institutions and Buildings will arrange for erection of proposed municipal hospital to cost \$30,000. (Previously mentioned.)

Va., Lynchburg.—Market and Auditorium.—City awarded contract to C. W. Womack & Co. of Lynchburg at \$35,000 to erect market and auditorium; 135x132 feet; brick; terra-cotta and stone trimmings; market-house proper will be 89x130 feet, with three entrances and plate-glass windows on either side; concrete floor; 24 stalls; stalls for sale of meat will be equipped with automatic refrigerators encased in glass and divided into two compartments; each stall will also have glass showcases on marble bases; 20-foot addition on each side will be utilized for two stores for market purposes, each one story high; auditorium (on second floor) will be 87 feet wide, 72 feet deep and 28 feet high, with capacity for about 2000; four sections of movable opera seats; at rear will be stage 60 feet wide and 20 feet deep; contract does not include refrigerating plant and other

equipment which will make cost about \$55,000; plans by Frye & Chesterman of Lynchburg. (Recently mentioned.)

Va., Roanoke.—Buildings.—City will vote March 24 on issuance of \$300,000 of bonds for land and erection of public buildings. Address The Mayor. (Recently mentioned.)

W. Va., Huntington.—Building.—City will vote on issuance of \$80,000 of bonds to purchase site for city building. Address The Mayor.

RAILWAY STATIONS

D. C., Washington.—Baltimore & Ohio Railroad, A. M. Kinsman, chief engineer, Charles and Baltimore Sts., Baltimore, Md., will repair freighthouse at Florida Ave., and Eckington Pl.; estimated cost \$11,000.

Ga., Augusta.—Augusta-Aiken Railway & Electric Co., Jas. R. League, general manager, has plans by G. Lloyd Preacher, Dyer Bldg., Augusta, for structure recently mentioned: passenger and freight terminal station and office building; two stories; 80x165 feet; ordinary construction; press-brick frontage 245 feet; steel rolling doors; vault doors; prism lights; cost, including steam and electric-lighting equipments, \$23,000.

Ga., Jackson.—Southern Railway, W. H. Wells, chief engineer, Washington, D. C., will, it is reported, erect passenger and freight depot.

Md., Baltimore.—Otto G. Simonson, American Bldg., Baltimore, is completing plans for car terminal to be built by Washington, Baltimore & Annapolis Electric Railway Co. at 317 West Lombard St.; structure is to be two stories; 80x70 feet; brick; reinforced concrete columns and girders; floor to be divided into two sections, one for freight and other for cars; will also contain offices, repair shops, oilroom and sand and track pits; electric lighting; steam heat; bids for construction will soon be invited. (Lately noted.)

N. C., Lexington.—Winston-Salem South-bound Railroad, O. H. P. Cornell, chief engineer, Winston-Salem, N. C., will erect depot to cost \$35,000.

N. C., Raleigh.—Seaboard Air Line Railway, C. H. Hix, general manager, Portsmouth, Va., authorizes expenditure of \$12,500 for improvements to passenger station, and bids are being solicited.

N. C., Elk Park.—East Tennessee & Western North Carolina Railroad, Geo. W. Hardin, vice-president and superintendent, Johnson City, Tenn., will rebuild depot recently reported burned; ordinary wood structure, 30x70 feet; plans and construction by company.

N. C., Weldon.—Atlantic Coast Line Railroad, E. B. Pleasants, chief engineer, Wilmington, N. C., and Seaboard Air Line Railway, W. L. Seddon, chief engineer, Portsmouth, Va., have agreed upon plans for union passenger station.

Va., Buchanan.—Norfolk & Western Railway, C. S. Churchill, chief engineer, Roanoke, Va., will, it is reported, erect depot.

SCHOOLS

Ala., Anniston.—Jacksonville Normal College, C. W. Duggett, president, is preparing to erect library and auditorium building.

Ala., Gadsden.—City will vote February 21 on \$50,000 bond issue for school improvements. Address The Mayor. (Recently mentioned.)

Ala., Huntsville.—Huntsville Female Seminary will erect structures to replace present buildings.

Ala., Hurtsboro.—T. S. Davis, chairman of building committee, will receive bids until February 8 for erection of brick school; plans and specifications on file at office of T. W. Smith & Co., architects, Columbus, Ga.; separate bids at same time for heating plant. (See "Machinery Wanted.")

Ala., Jasper.—Board of Education, J. L. Sovell, secretary, will open bids January 29 for erection of high-school building recently noted; cost \$10,000.

Ark., Osceola.—L. A. Morris, secretary, will receive bids until January 31 for erection of brick school; certified check for \$500; plans and specifications on file at office of L. M. Weathers, architect, Memphis, Tenn., and of L. A. Morris, secretary, Osceola, or may be had on deposit of \$20; F. B. Hale, president.

D. C., Washington.—Henry B. Macfarland, Henry L. West and William V. Judson, Commissioners, will receive bids until February 3 for additions and alteration to Western High School on 35th St. N. W.; blank forms, specifications, etc., on file at office of chief clerk, engineer department, 427 District Bldg., or may be had on deposit of \$10.

Fla., Tallahassee.—Leon County Commissioners are planning to erect \$25,000 high school.

Ga., Homerville.—City, H. J. Dame, Mayor, will expend \$8000 to erect school building recently noted. (See "Machinery Wanted.")

La., Jeanerette.—Iberia parish awarded contract to Roane & Watta, Jeanerette, for erection of \$20,000 high school. (Recently mentioned.)

Md., Baltimore.—Maryland School for Blind has plans by Joseph Evans Sperry, Calvert Bldg., Baltimore, for several proposed buildings at Overlea; Charles L. Reeder, engineer in charge, Equitable Bldg., Baltimore.

N. C., Durham.—Trinity College has plans by Hook & Rogers, Charlotte, N. C., for west wing to administrative and academic building; 173x80 feet; three stories.

Okl., Britton.—Southern Methodist College of Young Women is having plans prepared by Smith & Parr, McAlester, Okla., for \$100,000 administration building.

Okl., Broken Arrow.—State Board of Agriculture awarded contract at \$50,763, to C. W. Bucy, Broken Arrow, for erection of Haskell State School of Agriculture; plans by Bailey & Bailey, Oklahoma City, Okla. (Recently mentioned.)

Okl., Goodwell.—State Board of Agriculture awarded contract at \$10,810 to John Johnson, Oklahoma City, Okla., for erection of main building of Panhandle School; plans by Bailey & Bailey, Oklahoma City, Okla. (Recently mentioned.)

Okl., Lawton.—State Board of Agriculture awarded contract at \$22,058 to John Johnson, Oklahoma City, Okla., for erection of main building for Cameron State School of Agriculture; plans by Bailey & Bailey, Oklahoma City, Okla. (Recently mentioned.)

Okl., Stillwater.—State Board of Agriculture awarded contract at \$3887 to John Johnson, Oklahoma City, Okla., for erection of barn at State Agricultural and Mechanical College; plans by Bailey & Bailey, Oklahoma City, Okla. (Recently mentioned.)

S. C., Walterboro.—City awarded contract to Johnson & Matthews, Florence, S. C., for erection of school building previously mentioned; two stories; 15 rooms and auditorium; cost \$17,000; plans by J. F. Lettner, Wilmington, N. C.

Tenn., Paris.—E. W. Grove, Henry County High School, is planning erection of dormitories to cost \$25,000.

Tenn., Tusculum, R. Sta. Greenville.—Washington and Tusculum College will expend \$10,000 to erect library building recently mentioned; steam heat; electric lighting; plans not definitely made.

Tex., Amarillo.—W. S. Roberts, president of Board Amarillo Independent School District, will receive plans until February 7 for \$50,000 high school and \$10,000 ward school.

Tex., Austin.—Board of regents, University of Texas, will open bids in about 60 days for erection of library building recently noted; structure will be T-shaped; front of T will be 156x52 feet; stem 75x80 feet; three stories and basement; Spanish Renaissance style of architecture; cost \$250,000; plans by Cass Gilbert, 11 East 24th St., New York. Address proposals to Cass Gilbert.

Tex., Denison.—City awarded contract at \$8250 to Tibbets & Hoque, Denison, for Lamar School; two stories; brick; ordinary construction; hot-air heat; electric lights; 41x73 feet; plans by John Tulloch, Denison. (Recently mentioned.)

Tex., Fort Worth.—Bids will be received until February 10 for erection and completion of Southwestern Baptist Theological Seminary; plans on file at office of Sanguinette & Staats, architects, Fort Worth, Houston and San Antonio, Tex. (Previously noted.)

Tex., Lockney.—City contemplates issuing \$10,000 of bonds to erect school. Address The Mayor.

Tex., Marlin.—City, F. S. Heffner, Mayor, will vote February 23 on issuance of \$15,000 bonds for school improvements. (Recently mentioned.)

Tex., Marshall.—Bishop College will erect dormitory to replace burned structure; cost \$7000.

Tex., Milano.—City voted \$3500 of bonds to erect two-story frame school. Address The Mayor.

Tex., Oakwood.—Board of trustees will expend \$10,000 to erect school building (contract recently noted awarded to Clark & Martin, Teague, Tex.); building will be 50x46 feet; ordinary brick construction; plans by J. D. Martin. (See "Machinery Wanted.")

Tex., Olney.—City awarded contract to John Johnson, Denton, Tex., for erection of \$18,000 school. (Previously mentioned.)

Tex., Pendleton.—City voted \$7000 of bonds to erect school. Address The Mayor. (Recently mentioned.)

Tex., Pittsburg.—City awarded contract at

\$26,100 to T. A. Lindsey, Commerce, Tex., for erection of school. (Recently mentioned.)

Tex., Port Lavaca.—City has not yet selected architect to prepare plans for school improvements recently mentioned; 50x80 feet; probably fireproof construction; stoves; electric lighting; cost \$22,000. Address John B. Mahon, president Port Lavaca Schools.

Tex., Princeton.—Board of trustees, W. C. Wilson, secretary, has plans by Spargess & Peters, Bonham, Tex., for two-story school building recently mentioned; seven rooms and auditorium; brick; ordinary construction; cost \$10,500; bids opened; plans and specifications on file at office of Citizens' State Bank.

Tex., Tom Bean.—Tom Bean School District will vote February 12 on \$5000 bond issue to erect brick school. Address County Commissioners, Sherman, Tex.

Va., Roanoke.—City will vote March 24 on \$100,000 bond issue for school improvements. Address The Mayor. (Recently mentioned.)

THEATERS

Ark., Little Rock.—Isaac and Dave Kemper are having plans prepared by Herts & Erlanger of New York for theater and hotel combined; six stories; brick; 80x150 feet; auditorium to have seating capacity of 1600; 20 exits; contract for foundation, estimated to cost \$8000, will soon be awarded. (Lately noted.)

Ga., Rome.—Joe Spiegelberg, manager Rome Opera-house, will have plans prepared by Okel & Cooper, Montgomery, Ala., for reconstruction of opera-house.

Tenn., Memphis.—Phil Lewis is promoting plan to lease old courthouse and remodel as hotel, theater and store.

Tex., Hempstead.—Chickasaw Tribe No. 3, Independent Order of Red Men, R. E. Thompson, chairman of building committee, will erect building to contain theater and lodgerooms. (See "Miscellaneous Structures.")

Tex., Palacios.—Duncan Ruthven will erect brick building; second story to be used as opera-house.

WAREHOUSES

Ga., Atlanta.—Dr. Joseph Jacobs purchased site, 55x185 feet, on which to erect three-story concrete warehouse and medical laboratory.

Md., Baltimore.—Johns Hopkins Hospital Trust Estate, John C. Thomas, treasurer, Calvert Bldg., has plans by Wyatt & Nolting, Keyser Bldg., Baltimore, for warehouse at 24 Hopkins Pl.; five stories; brick; interior of mill construction; estimates are being received and contract will be awarded about February 1.

Md., Baltimore.—August F. Kuhl, 630 Patterson Ave., will erect warehouse on Fremont Ave.; three stories; 23x110 feet; refrigerating apparatus; cost \$3000; H. Erdman, 1101 Patterson Ave., architect and contractor.

S. C., Greenville.—Standard Warehouse & Trust Co., J. D. Bridges, president, has not yet selected architect to prepare plans for warehouse recently mentioned; three stories; 125x125 feet; electric lighting; cost \$40,000; will open bids July 1.

Tenn., Nashville.—Warren Bros. Company, 200 Third Ave. N., awarded contract to E. & N. Manufacturing Co., Nashville, for erection of glass warehouse; 65x105 feet; three stories; mill construction; sprinkler system; steam heat; cost \$18,000; plans by Frederick Ausfelt, Nashville. (See "Miscellaneous Manufacturing Plants.")

Tenn., Tazewell.—J. L. Buls contemplates erecting fireproof storehouse to replace burned structure.

Tex., Houston.—Levy Bros. Dry Goods Co. awarded contract to D. A. Crawford of Houston to erect warehouse; two stories; brick; 91x59 feet; mill construction; shell roof; standpipes for fire protection, having connection on each floor; electric elevator with capacity of 3500 pounds and speed of 75 feet per minute; cost \$17,000; plans by Olle J. Lorehn of Houston. (Recently mentioned.)

Tex., Quanah.—Quanah Overall & Manufacturing Co. will erect warehouse. (See "Miscellaneous Manufacturing Plants.")

Tex., Texas City.—Texas City Transportation Co., A. B. Wolvin, president, Duluth, Minn., contemplates construction of 15,000-ton coal warehouse in connection with coal-handling contract with Western Maryland Railroad Co. of Baltimore, Md.

Va., Harrisonburg.—Snell Grocery Co. will erect four-story brick warehouse; 165x48 feet; furnace heat; electric lighting; electric elevator; cost \$15,000; plans not completed.

Va., Manchester.—All bids have been re-

jected for erection of Allegheny Warehouse; A. F. Hunt, Richmond, Va., architect, will prepare new plans and bids will again be invited; J. T. Nuckols of Richmond was lowest bidder at \$10,772.

Va., Norfolk.—Gregory & Williamson of Norfolk lowest bidders at \$50,814 for erection of warehouse and store for H. Crocker.

RAILROAD CONSTRUCTION

RAILWAYS

Ala., Birmingham.—The Seaboard Air Line, according to a report quoting Charles E. Hix, general manager, will spend \$150,000 to reconstruct Roper tunnel, 14 miles from Birmingham. W. L. Seddon is chief engineer at Portsmouth, Va.

Ala., Birmingham.—The Birmingham Southern Railroad, according to a report, will build about 5½ miles of yard track, of which about one mile will be at Bessemer and 4½ miles at Ensley. H. F. Crocker is vice-president and general manager at Birmingham, Ala.

Ala., Geiger.—The Alabama, Tennessee & Northern Railroad is reported to have completed 15 miles of grading on an extension south of Geiger, and track is now being laid.

Ala., Union Springs.—J. W. Wright, Jr., of Union Springs has closed contract to build an extension of the Union Springs & Northern Railroad from Port Davis to Milstead, Ala., 20 miles. The contract covers grading, tracklaying and bridging, and is to be completed in four months.

Ark., Dardanelle.—An officer of the Dardanelle, Ola & Southern Railway is reported as saying that a branch line is contemplated to reach coal fields in Logan county in which New Yorkers are interested. F. S. Yantis, superintendent at Dardanelle, Ark., may be able to give information.

Ark., Trumann.—The Singer Manufacturing Co., which, it is reported, will establish at Trumann a sawmill plant, may extend its lumber railroad.

Fla., De Funiak Springs.—The Gulf, De Funiak & Northern Railroad is the name of a reported proposition for a line from Choctawhatchie Bay, via De Funiak Springs, Glendale and Lakewood, to Florida, Ala., about 54 miles. About 40 miles of right of way have been acquired, and several logging lines will, it is said, be absorbed. The Mayor of De Funiak Springs may be able to give information.

Fla., Tampa.—According to a dispatch, the Seaboard Air Line, the Atlantic Coast Line and the Tampa Northern Railroad have agreed to build a union station at Tampa, the cost to be not less than \$150,000. Official confirmation has not yet been given to this report. W. L. Seddon is chief engineer of the Seaboard Air Line at Portsmouth, Va.; E. B. Pleasants is chief engineer of the Atlantic Coast Line at Wilmington, N. C., and A. C. Olney is chief engineer of the Tampa Northern at Tampa, Fla. An officer of the Seaboard says he has no knowledge of any such plans.

Ga., Augusta.—President C. C. Tegethoff of the Augusta & Aiken Railway is reported to have announced plans for the proposed \$20,000 terminal building at the intersection of Telfair and Jackson Sts. G. L. Precher is the architect. It is expected that construction will begin about February 10.

Ky., Drakesboro.—Reported that an electric railway several miles long may be constructed by the Elk Valley Consolidated Coal Co., which has purchased mines. Among those interested are C. D. M. Greer, Thomas B. Caldwell and Edward Manigan of Memphis, Tenn.; ex-Governor Benton McMillan of Nashville, Tenn.; Andrew Hogg of Drakesboro, Ky., and Carroll Curry of Monongah, W. Va.

La., Denham Springs.—William Drews, Jr., lumber manufacturer at Walkers Station, is reported to have received eight carloads of steel rails to build an extension of his lumber railroad.

La., Hammond.—The Hammond Progressive Union, represented by E. R. Moore, is reported working on a plan to build a motor railroad connecting Hammond, Natalbany, Genesee and other points.

La., Lake Charles.—An official letter denies the report that the St. Louis, Watkins & Gulf Railway contemplates building a line on the lake front and on certain streets.

La., New Orleans.—Morgan's Louisiana & Texas Railroad & Steamship Co. is reported to have acquired a block of ground for terminal purposes bounded by Poydras, South Front, Delta and Gravier Sts. The company owns adjoining property in the same locality. W. M. Hobbs is general superintendent at New Orleans.

Miss., Gulfport.—It is proposed to build a loop line from the Gulfport & Mississippi Coast Traction Co.'s road to the Bayou Bernard, Handsboro and other points, about seven miles. P. H. M. Tiffin, B. C. Lawler, F. E. Williams and others of Handsboro are the promoters. J. T. Jones, president of the railroad company named, may be able to give information.

Miss., Meridian.—Reported that the Queen & Crescent Route contemplates double-tracking the Alabama & Vicksburg Railway from Meridian to Vicksburg, Miss. D. D. Curran is president and general manager and J. C. Haugh is resident engineer, both at New Orleans. A dispatch from Vicksburg says the report is denied.

Miss., Meridian.—It is announced that a construction company will be formed with \$500,000 capital to build the proposed Mississippi Western Railroad from Meridian to Natchez, Miss., 190 miles. J. W. Hudson is president and C. F. Schofield secretary at Hazlehurst, Miss. Prince Victor S. Ruelens of London and Paris is said to represent foreign capital which will become interested in the plan.

Mo., Hannibal.—The Hannibal & Northern Missouri Railroad, which is reported to have begun construction, will, it is said, extend its line via Macon, Mo., into the Macon county coal fields.

Mo., Kansas City.—Survey for the St. Louis & Kansas City Electric Railway is reported finished from Kansas City to Columbia, Mo., and work will begin from the latter point toward St. Louis via Harrisburg. D. C. Nevin is president and H. B. Cawthorne chief engineer, both at Kansas City.

Mo., St. Louis.—An official of the St. Louis county Belt Railroad is quoted as saying that contracts will be let for 50 miles of line on February 1. E. Whitaker is president; R. McCully, vice-president; J. D. Houseman, general manager, and W. Nagel, chief engineer; offices, 948 Pierce Bldg., St. Louis, Mo.

Mo., St. Louis.—The stockholders of the Missouri Pacific Railway have voted the proposed bond issue of \$175,000,000, out of which nearly \$53,000,000 will be reserved for betterments and equipment as heretofore described. These expenditures will probably be made over a period of years. C. S. Clarke is vice-president at St. Louis, Mo.

Mo., St. Louis.—An officer of the Chicago, Rock Island & Pacific Railway says that it is intended to fully ballast the entire line between St. Louis and Kansas City, widening all embankments, taking out depressions where necessary, filling in all long and high trestles, putting in reinforced-concrete boxes (or culverts) and laying about 100 miles of new 85-pound rail.

N. C., Goldsboro.—The Enterprise Lumber Co. and others are reported interested in a plan to build a railroad from Goldsboro to Seven Springs.

N. C., Lexington.—S. E. Williams and J. E. Foy, Jr., have been granted a franchise for the proposed electric railway which will connect Lexington with Thomasville, Salisbury, Greensboro and other points.

N. C., Marion.—T. T. Adams and associates of Richmond, Va., it is reported, are securing right of way for a tramroad from Woodlawn, on the Carolina, Clinchfield & Ohio Railway, to timber lands near Marion, which were recently purchased.

N. C., Mount Airy.—The Surry-Stokes-Rockingham Company is reported organized in New York city to build and operate an electric railway from Draper to Mount Airy, N. C., via Spray, Danbury, Westfield and other points. Dr. F. J. De Giers represents the company, and the Mount Airy Commercial Club is reported interested. His address is care of Clarence M. Smith & Co., 64 Wall St., New York.

N. C., Raleigh.—A correspondent writes that President John A. Mills of the Raleigh & Southport Railway is having a survey made from Fayetteville along the Cape Fear River toward the seacoast, 52 miles. Survey has been made also from Hope Mills in the same general direction toward Clarkton, on the Seaboard Air Line. President Mills is quoted as saying that construction will begin as soon as the engineering is completed, perhaps in two or three weeks.

N. C., Waynesville.—Survey is reported under way along Pigeon River, between Fines Creek and Jonathans Creek, eight miles, for a railroad. Benjamin R. Britt is in charge. The name of the railroad is not announced.

N. C., Weldon.—The Atlantic Coast Line, it is reported, has notified the Corporation Commission that it will build a bridge over the Roanoke River at Weldon as previously reported, including about two and a half miles of new track. E. B. Pleasants is chief engineer at Wilmington, N. C.

Okla., El Reno.—An officer of the Fort Smith & Western Railway is reported as saying that survey is being made and arrangements are under way to finance a line from El Reno southwest about 100 miles to connect with the Kansas City, Mexico & Orient Railway at either Sentinel or Dill City, Okla. W. M. Bushnell is general manager at Fort Smith, Ark.

Okla., Okmulgee.—A press report says that the Okmulgee Street Railway Co. contemplates building an interurban railway from Okmulgee to Preston, seven miles.

Okla., Oklahoma City.—The Oklahoma City & Fort Smith Traction Co., capital \$100,000, has been chartered to build a line between the two points indicated via Shawnee and Muskogee, 200 miles; estimated cost \$4,000,000. The directors are V. L. Bath, P. M. Lowry, G. L. Wood, F. M. Wood, A. M. Gustin and John Wild, all of Oklahoma City.

S. C., Aiken.—A movement is under way to build a railroad from Aiken to Columbia, about 50 miles, and among those interested are A. O. Yearlan of Samaria, S. C., and J. D. Prothro of Aiken, who are respectively chairman and secretary of the movement. Sufficient capital is reported subscribed to build a section of eight miles from Steedman to Lybrand.

S. C., Spartanburg.—A dispatch says that the Carolina, Clinchfield & Ohio Railroad will soon build its terminals in Spartanburg. M. J. Caples is chief engineer at Johnson City, Tenn.

Tenn., Dyersburg.—President S. G. Latta of the Chicago, Memphis & Gulf Railroad (formerly the Dyersburg Northern), which is now 31 miles long from Dyersburg to Tiptonville, says it will build an extension northward to the Ohio River and another southward via Memphis to Jackson, Miss. Construction is under way between Tiptonville, Tenn., and Hickman, Ky., 21 miles. F. A. Molitor, 79 Wall St., New York, is engineer in charge. President Latta's address is Dyersburg, Tenn.

Tenn., Memphis.—A dispatch from Jackson, Miss., says that Charles E. Wilcox, secretary of the Memphis & Pascagoula Railroad Co., announces an increase of capital from \$1,000,000 to \$15,000,000. The proposed line is from Memphis, Tenn., to Pascagoula, Miss., on the Gulf coast.

Tenn., Sevierville.—Reported that a branch railroad will be built from the Knoxville, Sevierville & Eastern Railway to timber land in which Robert J. Denton of Knoxville and others are interested.

Tex., Bryan.—Construction is reported begun on the electric railway from Bryan to College Station, about five miles. O. E. Gam-mill of Gueyadan, La., is the contractor.

Tex., Coleman.—Plans are reported complete for construction of the Coleman, Llano & Southern Railroad, to run from Coleman to Brady and other points, including Llano and San Antonio. Among the directors are H. N. Beakley, J. A. B. Miller, H. R. Starkweather, J. E. Roog-Scott and R. A. Lane of Coleman. Charter has been filed; capital \$500,000.

Tex., Dallas.—Official information concerning the East Texas Traction Co. says that it is not yet organized, but the line will be about 33 miles long from Dallas to Terrell, Tex., probably via Forney and Mesquite. William Crooks, Scollard Bldg., Dallas, Tex., is engineer in charge; Schuyler B. Marshall of Mesquite, Tex., is president; E. W. Morten, Jr., of Dallas, vice-president, and C. L. Wakefield, also of Dallas, secretary and manager, these being temporary officers until the permanent organization is formed.

Tex., Dallas.—E. W. Robbins, vice-president of the Rock Island, is reported as saying that construction of freight terminals to cost not less than \$250,000 will begin immediately in Dallas. C. M. Case is chief engineer at Fort Worth, Tex.

Tex., Dayton.—An officer of the Trinity Valley & Northern Railway confirms the report that an extension is to be built from Fouts to Rayburn, 15 miles. A. J. Wise is engineer in charge. L. Fouts is president.

Tex., Galveston.—The Galveston, Houston & Henderson Railroad is reported contemplating the erection of machine shops, 50x200 feet, of reinforced concrete; also an office and storeroom for the master mechanic. J. H. Mill is manager and H. R. Cooper chief engineer, both at Galveston, Tex.

Tex., Gardendale.—Hurst & Brundage of San Antonio and J. S. Sweet will, it is reported, build a railroad from Gardendale via Woodward, a new town, to Carrizo Springs, 45 miles. It will also touch Big Wells and Brundage.

Tex., Kingsville.—Concerning the report that the St. Louis, Brownsville & Mexico Railroad would build extensions from Kings-

ville to San Antonio and also from Sam Fordyce to Laredo, Tex., an officer says that nothing definite has been done, but he thinks the plans will mature. A later press report says that Claude Pollard, general attorney of the company, will file two amendments to the charter providing for extensions amounting to 75 miles, covering the extension in progress from Bloomington to Port O'Connor, Tex., 40 miles, and also a projected extension from Sam Fordyce to Roma, 35 miles.

Tex., Pecos.—Contracts are reported signed to finance the proposed railroad from Pecos to Balmorhea, 40 miles, which is promoted by W. L. Carville of Dallas, Tex.

Tex., Quanah.—President L. E. Walker of the Quanah & Gulf Railway, which proposes to build a line from Quanah southeast, is reported as saying that construction will begin in March.

Tex., Quanah.—The Quanah, Acme & Pacific Railway, according to a letter to the Manufacturers' Record, will begin survey immediately from Paducah, Tex., to El Paso, Tex., going through New Mexico via Roswell, Acme and other points. C. E. Enslinger is chief engineer.

Tex., Roby.—An officer of the Estacado & Gulf Railroad is quoted as saying that the company will build 100 miles of line this year from Roby westward. W. A. Butts is president and T. H. Landon chief engineer.

Tex., Robert Lee.—E. G. Hammock, it is reported, has gone to Little Rock, Ark., to let contract immediately to build 50 miles of the proposed Colorado & Concho Railroad Co., between Robert Lee and Colorado City, Tex. Later a contract will be let from Robert Lee to San Angelo, 25 miles.

Tex., San Benito.—S. A. Robertson of San Benito is reported as saying that the proposed San Benito Interurban Railway will be built this year. John T. Lomax, secretary of the San Benito Truck Growers' Association, and others have been appointed a committee to collect the bonus.

Tex., Sulphur Springs.—A movement is reported under way to build an interurban electric railway from Paris to either Palestine or Corsicana, connecting with Sulphur Springs and other points. F. W. Mack, secretary of the Sulphur Springs Commercial Club, can probably give information.

Tex., Victoria.—The Galveston, Harrisburg & San Antonio Railway, according to a dispatch, contemplates building an extension from Clark Station, six miles from Port Lavaca, to Port O'Connor, Tex. A. V. Kellogg is engineer maintenance of way at Houston, Tex.

Va., Charlottesville.—The Southern Railway Co. is reported to have made a survey for a new route from Charlottesville to Orange, Va.; also for a line around Lynchburg and Charlottesville. W. H. Wells is chief engineer of construction, Washington, D. C.

Va., Damascus.—The Beaver Dam Railroad Co. has been authorized to build an extension about one and one-half miles long. J. E. Rooney is general manager at Damascus, Va.

W. Va., Morgantown.—The Buckhannon & Northern Railroad Co. has been granted a franchise to build its line over the public highways where necessary, and it is reported the road will be immediately constructed. The Pittsburg & Lake Erie Railway is said to be interested, and J. M. Schoonmaker, its vice-president, or J. A. Atwood, chief engineer, both at Pittsburg, Pa., may be able to give information. S. D. Brady of Parkersburg, engineer for the Buckhannon & Northern, will, it is reported, immediately make the location survey.

W. Va., Rowlesburg.—G. C. Stitzinger of New Castle, Pa., and others will, it is reported, build a railroad from a connection with the Morgantown & Kingwood line to open up timber land about 10 miles from the main line.

W. Va., Sistersville.—Arrangements are reported complete to resume work on the proposed electric railway from Sistersville to Friendly, W. Va. Robert Young of Parkersburg, W. Va., is contractor.

STREET RAILWAYS

Ala., Birmingham.—The Birmingham Railway, Light & Power Co., it is reported, will spend at least \$500,000 for extraordinary improvements this year, including some extensions, besides betterments to the power plant. A. H. Ford is president and general manager.

Ala., Gadsden.—The Alabama City, Gadsden & Attalla Railroad Co. has begun its extension to North Gadsden, about one mile.

S. C., Charleston.—The Charleston Consolidated Railway, Gas & Electric Co. proposes to build extensions, and the question of a

franchise is now before a committee of the City Council.

Tex., Brownsville.—B. C. Stegman of Brownsville is reported organizing a street-railway company with \$60,000 capital to build a line between Brownsville and West Brownsville, together with a belt. Gasoline motor cars are to be run.

Tex., Dallas.—E. L. Lancaster and associates have applied to the City Commissioners for an electric-railway franchise to build a line from Parry Ave. at the Fair Grounds to the city limits on Henderson Ave. The company is said to be financed and ready to begin work promptly. Others interested are Alexander Camp, J. H. Powers, W. O. Siler and Dr. John H. Turner.

Tex., Quanah.—Mr. Lowrey of Poteau, Okla., and local capitalists are reported contemplating the building of a street-car line in Quanah. The Mayor may be able to give information.

Va., Richmond.—The Richmond & Henrico Railway is reported to have let contract for eight miles of steel rails to the Pennsylvania Steel Co., construction to begin in three weeks. The ties will be furnished by the Burton Construction Co.

Va., Roanoke.—The Roanoke Railway & Electric Co. is surveying for its proposed extension of about one mile in the Crystal Springs section.

W. Va., Wheeling.—The Wheeling Rapid Transit Co. is reported to have been granted a franchise for an extension through Edgewood a suburb.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Manufacturers and others in need of machinery or supplies of any kind are requested to consult our advertising columns, and if they cannot find just what they wish, if they will send us particulars as to the kind of machinery or supplies needed we will make their wants known free of cost, and in this way secure the attention of manufacturers and dealers throughout the country. The Manufacturers' Record has received during the week the following particulars as to machinery and supplies wanted.

Angle Iron.—Harrington & Co., Lewiston, N. C., wants iron—1½ and 1-inch angle.

Air Compressors.—Kilwan-Roberts Supply Co., 109 South Charles St., Baltimore, Md., wants small second-hand air compressors for operating tubes.

Artists' Supplies.—Acme Manufacturing Co., San Marcos, Tex., wants prices on artists' supplies.

Baking Machinery.—Willis Bakery, 3d and Respass Sts., Washington, N. C., wants second-hand dough mixer and molder.

Bank Fixtures, etc.—Farmers and Merchants' Bank, McColl, S. C., will open bids February 7 on bank fixtures and side-rail paneling.

Bank Fixtures, etc.—Warren State Bank, R. E. Allison, president, will want prices on safe, vault and bank fixtures.

Bank Fixtures.—Bank of Wagener, Wagener, S. C., wants prices on bank fixtures.

Boats.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on strong seagoing tug; also number of barges; for fertilizer business.

Boiler.—See "Engine and Boiler."

Bottling Machinery, etc.—Thos. P. Converse, address for 90 days, Room 19 Converse Bldg., Houston, Tex., will want prices on water supplies and machinery.

Brass Tubing.—Coffman Door Spring Co., Clifton Forge, Va., wants addresses of manufacturers of brass tubing for door springs.

Brick.—H. J. Dame, Mayor, Homerville, Ga., wants prices on brick for \$9000 school building.

Bricks.—Louis Pincus, 2105 Eagle St., Baltimore, Md., wants prices on 250,000 common bricks and 25,000 face bricks.

Bridge Construction.—Board of Trustees for Putnam County Bonds, S. Worden, clerk, Palatka, Fla., will open bids February 12 for construction of bridge across Etoniat Creek, at Banana Mills; bidders will receive particulars of proposed construction upon application to R. F. Ensey, County Engineer, Palatka.

Bridge Construction.—LeFlore County Board of Supervisors, Greenwood, Miss., will re-

ceive plans and specifications until February 7 for bridge across Tallahatchie River at Money, Miss., and across Yazoo River at Shell Bluff, Miss.; both structures to be of iron; C. W. Crockett, clerk.

Bridge Construction.—Chatham County Commissioners, G. Reuben Butler, clerk, Savannah, Ga., will open bids March 14 for constructing steel highway bridge, including foundations, over Herb River, on La Roche Ave.; certified check for 5 per cent. of bid.

Bridge Work.—Commissioners of Granville County, Oxford, N. C., will receive bids until March 7 for raising 85-foot steel span 16 feet higher; also for constructing two steel approaches to above-named span, each approach 75 feet; county to construct abutments; plans on file in Register of Deeds office of Granville county at Oxford.

Broom Machinery, etc.—Wm. C. Powell, Snow Hill, Md., wants information on broom manufacture and prices on machinery.

Building Material.—Edward Watters & Co., 532 St. Paul St., Baltimore, Md., want prices on plastering, lumber, mill work and masonry for \$9000 dwelling.

Building Materials, etc.—Morrison Construction Co., Little Rock, Ark., wants structural steel, stone, terra-cotta and mill work for two-story business block at Argenta, Ark.; will also sublet heating plant, wiring and plumbing.

Building Materials.—George F. Copeland, Paintsville, Ky., wants to correspond relative to building material, including inside wood finish, mantels, window and art glass and hardwood.

Building Material.—H. J. Dame, Mayor, Homerville, Ga., wants prices on building material for \$8000 school building.

Burlap.—W. L. Tanner, Alexandria, La., wants addresses of manufacturers of and dealers in burlap for chop and meal sacks.

Cars.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on cars for phosphate and fertilizer plants.

Cars.—Selma Lumber Co., Selma, N. C., wants four second-hand standard-gauge logging cars; 20,000 to 20,000 pounds capacity.

Cars.—Jos. E. Bowen, 501 Bank of Commerce Bldg., Norfolk, Va., wants about 15 logging cars; 36-inch gauge; 30,000 pounds capacity.

Clock System.—See "Government and State Buildings" under Ky., Frankfort.

Cement.—Tidewater Power Co., A. B. Skelding, manager, 27 North Front St., Wilmington, N. C., wants bids on 35 barrels Portland cement.

Coffin-making Supplies.—See "Furniture Factory Equipment, etc."

Concrete Mixers.—Kilwan-Roberts Supply Co., 109 South Charles St., Baltimore, Md., wants second-hand concrete mixers in good condition; state price, location and condition.

Corrugating Machinery.—See "Grinder and Corrugator."

Copper.—F. O. Siebert, 215 East Main St., Lexington, Ky., wants prices on copper for knife switch manufacturing.

Corrugated Iron.—Tidewater Power Co., A. B. Skelding, manager, 27 North Front St., Wilmington, N. C., wants bids on 500 sheets No. 18 galvanized corrugated iron, 26x36 inches.

Crane.—Pennsylvania Equipment Co., 1209 West End Trust Bldg., Broad St. and South Penn Square, Philadelphia, Pa., wants 20 to 25-ton wrecking crane; second-hand; immediate delivery.

Desks, etc.—H. J. Dame, Mayor, Homerville, Ga., wants prices on school equipment, including desks, etc.

Drain.—Proposals indorsed "Proposals for Intercepting Drain" will be received at Bureau of Yards and Docks, Navy Department, Washington, D. C., until February 19 for constructing intercepting drain at Navy-yard, Charleston, S. C. Plans and specifications can be obtained on application to bureau or to commandant of Navy-yard named. R. C. Hollyday, Chief of bureau.

Drainage System.—Grandfalls Drainage District Commission, J. B. Smith, president, Grandfalls, Tex., will open bids February 23 for construction of drainage system; profiles and specifications may be seen by applying to Commissioners; \$33,000 bond issue voted; A. H. Dunlap of Grandfalls is engineer. (Date postponed from January 22.)

Drill Press.—B. C. Beard, 116 East Franklin St., Salisbury, N. C., wants second-hand 32-inch drill press.

Drying Machinery.—W. B. Valentine, Asheville, N. C., wants information and prices on equipment for drying and screening sand in large quantities.

Drykiln.—W. B. Baker Lumber Co., Heber, Ark., wants steam drykiln; 40,000 capacity.

Elastic Tissues.—Michael A. Khyat, 221 Exhibition Co., Melbourne, Australia, wants samples, prices and other data on elastic tissues for manufacturing suspenders, garters, braces, etc.

Electric Wiring and Conduits.—See "Government and State Buildings" under Ga., Athens.

Electrical Machinery.—Stricklin Printing Co., J. N. Stricklin, president, Cheraw, S. C., wants prices on electric equipment (operated by gasoline engine) to generate power for 40 lights, 16 candle-power, and operate motor of 5 horse-power or more.

Electric-light Plant.—Acme Manufacturing Co., San Marcos, Tex., wants prices on 100-light engine and generator.

Electrical Machinery.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on electrical machinery for (phosphate) fertilizer plant; power plant to consist of two small units on separate locations; amount of power not decided; gas producers to be used.

Electric Wiring and Conduits.—See "Government and State Buildings" under Ky., Frankfort.

Engine.—See "Electric-light Plant."

Engine and Boiler.—Poarch Timber Co., Newport News, Va., wants second-hand double-cylinder hoisting boiler and engine; 12 to 20 horse-power; give particulars.

Engine.—Fort Payne Fuel & Iron Co., Fort Payne, Ala., wants 200-horse-power engine.

Engine.—Sprinkle Cotton Gin Co., H. A. Johnson, president, wants engine to operate five-gin plant.

Exhaust Fan.—W. B. Baker Lumber Co., Heber, Ark., wants second-hand exhaust fan.

Fertilizer Machinery.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on machinery for manufacturing fertilizer from phosphate.

Fire Hose.—Bids will be received by Ennis M. Douglass, clerk, Memphis, Tenn., until February 1 for following: Two thousand five hundred feet of two-and-one-half-inch internal diameter rubber fire hose, in 50 foot sections, with standard brass couplings, fitted Memphis standard thread, to be five ply and withstand pressure test of 400 pounds to the square inch on delivery; 2500 feet of two-and-one-half-inch internal diameter double-jacket cotton rubber-lined fire hose, in 50 foot sections, with standard brass couplings, fitted with Memphis standard thread, to withstand pressure of 400 pounds to square inch on delivery; price to be based on delivery at fire headquarters and delivery to be made within 60 days from date of contract; cotton hose to weigh not over 62 pounds to section and rubber hose not over 72 pounds to section; each bid to be accompanied by certified check for \$250; E. H. Crump, Mayor.

Furniture Factory Equipment and Supplies.—H. W. Martin, Opelika, Ala., wants machinery, supplies, hardwoods, etc., for furniture and coffin factory.

Gas and Gasoline Engines.—Southern Equipment Co., 19 Young St., Houston, Tex., wants to correspond with manufacturers of gas engines for producer gas; also gasoline engines, with view to representation in South.

Gasoline Engine.—B. C. Beard, 116 East Franklin St., Salisbury, N. C., wants second-hand seven or eight-horse-power gasoline engine.

Gasoline Engine.—See "Electrical Machinery."

Galvanized Gutters.—Clark & Martin, Teague, Tex., want galvanized gutters.

Gas Holder.—Board of Managers City Water and Light Plants, Tallahassee, Fla., wants prices on furnishing and erection of gas holder of 20,000 to 30,000 cubic feet capacity.

Gas Producers.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on gas producers. (See "Electrical Machinery.")

Glass.—Acme Manufacturing Co., San Marcos, Tex., wants prices on glass.

Glass.—J. H. Gauth, Union, S. C., wants prices on plate glass, beveled and polished.

Grinder and Corrugator.—Box 536, Sheffield, Ala., wants roll grinder and corrugator for finishing flour-mill rolls.

Handkerchief Machinery.—T. S. Cross, Sanford, N. C., wants addresses of manufacturers or of dealers in handkerchief machinery.

Hardware.—Acme Manufacturing Co., San Marcos, Tex., wants prices on hardware.

Hardwoods.—See "Furniture Factory Equipment, etc."

Heating Apparatus.—See "Government and State Buildings" under Ga., Athens.

Heating Apparatus.—See "Government and State Buildings" under Ky., Frankfort.

Heating Plant.—T. S. Davis, chairman of building committee, Hartsboro, Ala., will receive bids until February 8 for heating plant; plans and specifications on file at office of T. W. Smith & Co., architects, Columbus, Ga. (See "Schools.")

Heating Plant.—Edward Watters & Co., 532 St. Paul St., Baltimore, Md., want prices on hot-water heating plant for \$9000 dwelling.

Heating Plant.—Ward-Truitt Company, Atlanta, Ga., wants prices on heating equipment.

Heating Plants.—Morrison Construction Co., Little Rock, Ark., wants to sublet heating plant in two-story business block, Argenta, Ark. (See "Building Material, etc.")

Holsting Engines.—Kilwan-Roberts Supply Co., 109 South Charles St., Baltimore, Md., wants three second-hand three-drum holsting engines and three double-drum holsting engines; state location, condition and price.

Ice Machinery.—J. I. Jones, Thomasville, N. C., wants prices on 10-ton ice plant to be operated by motor.

Iron-rust Preventative.—J. Q. Barker, Andrews, N. C., wants information on "Sherardizing" or other processes for prevention of corrosion on inside of shipping tanks containing tanning extract.

Laundry Machinery.—S. Billow, Apartado 226, Guatemala City, Guatemala, wants to correspond with manufacturers of laundry machinery; wants data and prices on equipment for 1000 customers monthly.

Laundry Machinery.—L. S. Fernald, Tampa Springs, Fla., wants steam laundry machinery.

Lathe.—B. C. Beard, 116 East Franklin St., Salisbury, N. C., wants second-hand 22-inch lathe to swing 10 feet between centers.

Levee Construction.—Board of directors Woodson Levee District, Woodson, Ark., will receive bids until February 9 at office of Lund & Hill, 201½ West 2d St., Little Rock, Ark., for following work: 9 miles levee, 165,700 cubic yards; 8 culverts, 8 gates; flood-gate, reinforced concrete; estimated cost, \$45,000.

Lime.—Louis Pincus, 2105 Eagle St., Baltimore, Md., wants prices on 300 barrels of lime.

Locomotive.—Jos. E. Bowen, 901 Bank of Commerce Bldg., Norfolk, Va., wants 7x12, 36-inch gauge second-hand locomotive (Forney preferred).

Locomotive.—Variety Works Co., Dawson, Ga., wants second-hand 25 to 30-ton locomotive with pony truck in front.

Log Loader.—Selma Lumber Co., Selma, N. C., wants second-hand log loader of about 20 horse-power capacity.

Lighting Fixtures.—George F. Copeland, Paintsville, Ky., wants to correspond relative to gas and electric fixtures.

Machine Tools.—Interstate Typewriter Co., Clarence Davis, president, Kinley Bldg., Sapulpa, Okla., wants catalogues and prices on drills and other fine machinery for making adding machines and typewriters.

Machine Tools.—B. C. Beard, 116 East Franklin St., Salisbury, N. C., wants second-hand index head to swing 12 or 14".

Machine Tools.—Tidewater Power Co., A. B. Skelding, manager, 27 North Front St., Wilmington, N. C., will open bids February 2 on drill press, turning and boring lathe for car wheels and wheel press.

Mantels.—Edward Watters & Co., 532 St. Paul St., Baltimore, Md., want prices on wood mantels.

Mantels.—M. J. Donovan, Vicksburg, Miss., wants mantels.

Metal Ceiling.—J. H. Gauth, Union, S. C., wants prices on metal ceiling.

Metal Skylights.—J. H. Gauth, Union, S. C., wants prices on metal skylights.

Metal-working Machinery.—Conneaut Shovel Co., Conneaut, Ohio, wants presses, shafting, etc., for manufacture of strap-back shovels.

Mica.—S. Billow, Apartado 226, Guatemala City, Guatemala, wants to correspond with dealers in mica.

Mining Machinery.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on phosphate-mining machinery.

Name Plates, etc.—Acme Manufacturing Co., San Marcos, Tex., wants prices on name plates and transfers.

Oil-mill Machinery.—Luis G. Ramirez, La Piedad, Mich., Mexico, wants equipment for linseed-oil mill.

Organs.—Sealed proposals will be received at office of Superintendent of Post Fund, Southern Branch N. H. D. V. S., National Soldiers' Home, Virginia, until February 24 for furnishing and installing two organs in new chapels in accordance with instructions and specifications, copies of which, with

blank proposals and other information, may be had upon application to D. C. Spencer, Superintendent of Post Fund.

Packing Machinery.—Standard Milling Co., Houston, Tex., wants information and prices on automatic weighing and sewing machine for packing rice in cotton bags of one to ten pounds each.

Paint.—See "Iron-rust Prevention."

Painting.—Edward Watters & Co., 532 St. Paul St., Baltimore, Md., want prices on painting.

Paving.—Bob Parman, City Clerk, Oklahoma City, Okla., will receive bids until January 31 for paving with sheet-asphalt, grading, etc., South Robinson Ave.; width, 30 feet; also paving certain alleys with vitrified brick; all of necessary work, such as paving, grading, concrete curb and gutter, oak curbing, etc., to be in accordance with plans and specifications on file in office of City Clerk; certified check for 3 per cent. of bid.

Paving.—Baltimore (Md.) Board of Awards will open bids February 2 for paving with vitrified brick Pier 6; certified check \$500; specifications can be obtained at office of Harbor Board; O. F. Lackey, Harbor Engineer.

Paving.—William W. Willson, City Clerk, Raleigh, N. C., will open bids March 30 for paving 25,000 square yards of street with brick, cement filler, bitulithic and asphalt macadam; all or part to be made in either kind of pavement; plans and specifications furnished on application. (Date postponed from February 2, as lately stated.)

Paving.—City Council, Gadsden, Ala., will open bids January 31 for construction of following: 5000 square yards artificial-stone sidewalk; 373 square yards artificial-stone driveway; 2800 linear feet artificial-stone combined curb and gutter (24-inch gutter); 4750 linear feet artificial-stone combined curb and gutter (30-inch gutter); Wilburn Hill, City Engineer.

Plumbing and Gaspiping.—See "Government and State Buildings" under Ky., Frankfort.

Plumbing.—See "Building Materials, etc."

Plumbing, etc.—Edward Watters & Co., 532 St. Paul St., Baltimore, Md., want prices on plumbing and gaspiping for \$9000 dwelling.

Plumbing and Gaspiping.—See "Government and State Buildings," under Ga., Athens.

Plumbing Fixtures, etc.—M. J. Donovan, Vicksburg, Miss., wants plumbing and gas fixtures.

Poles.—Carolina Electrical Co., 110 Fayetteville St., Raleigh, N. C., wants several carloads 30 to 50-foot chestnut poles for electric transmission line, Richmond, Va.

Printing Machinery.—Stricklin Printing Co., J. N. Stricklin, president, Cheraw, S. C., wants prices on flat-bed perfecting press.

Pulp (for Paper-making).—Wm. C. Powell, Snow Hill, Md., wants information relative to pulp for paper-making and prices on machinery.

Rails.—Jos. E. Bowen, 901 Bank of Commerce Bldg., Norfolk, Va., wants 25 and 30-pound rails; immediate shipment.

Rails.—Hobbs-Ives Equipment & Machinery Co., Seaboard Bank Bldg., Norfolk, Va., in market for four miles of 25-pound relays; delivery near Norfolk.

Rails.—F. J. Howden, care of Florida Mining Co., Mulberry, Fla., wants prices on considerable mileage of small rail.

Refrigerators.—Wild Bros. Hardware Co., Evergreen, Ala., want to correspond with refrigerator manufacturers.

Road Construction.—Commissioners of Granville County, Oxford, N. C., will receive bids on March 7 for construction of 20 miles roads; plans and profile on file after February 21 at office of James B. Powell, Register of Deeds, Oxford; bond or certificate for \$1000 to accompany bids; J. A. Osborn, County Engineer; J. B. Powell, clerk.

Road Construction.—John M. Murch, County Auditor, Galveston, Tex., will receive bids until February 7 for repairing county road near High Island, distance of one mile; will require 1000 cubic yards of mudshell or clamshell and 1000 feet B. M. of lumber; plans and specifications on file in offices of county engineer and auditor, from whom copies can be had on application; certified check, \$150.

Roofing.—Tidewater Power Co., A. B. Skelding, manager, 27 North Front St., Wilmington, N. C., wants bids on 75 squares three-ply rubberoid roofing.

Roofing.—W. B. Baker Lumber Co., Heber, Ark., wants about 75 squares galvanized-iron roofing.

Roofing.—M. J. Donovan, Vicksburg, Miss., wants metal-tile roofing.

Roofing.—Louis Pincus, 2105 Eagle St., Bal-

timore, Md., wants prices on tin and slag roofing.

Sacking Machinery.—See "Packing Machinery."

Safe, etc.—First National Bank, Cookeville, Tenn., wants prices on safe, vault and bank fixtures.

Safe, etc.—Industrial Homestead Association, J. D. O'Keefe, president, New Orleans, La., wants prices on safe, vault and bank fixtures.

Safe, etc.—A. H. Danforth, president First State Bank, Arkansas Pass, Tex., wants prices on safe, vault and bank fixtures.

Safe, etc.—Citizens' National Life Insurance Co., W. H. Gregory, president, 410 Courier-Journal Bldg., Louisville, Ky., will probably purchase safe, vault and bank fixtures for new office at Birmingham, Ala.

Saw.—B. C. Beard, 116 East Franklin St., Salisbury, N. C., wants second-hand 6-inch power hack saw.

Saws.—Harrington & Co., Lewiston, N. C., wants six-inch diameter circular saws, suitable for peanut cleaners; not polished.

Screens.—See "Drying Machinery."

Sewing Machines.—See "Handkerchief Machinery."

Shafting.—See "Metal-working Machinery."

Shovel Machinery.—See "Metal-working Machinery."

Shaper.—B. C. Beard, 116 East Franklin St., Salisbury, N. C., wants second-hand 20-inch double grand shaper.

Sewer Construction.—Board of Bond Trustees, John C. Calhoun, secretary, Perry, Fla., will receive bids until February 8 for constructing sanitary sewerage system; three miles of pipe 8 to 15 inches, manholes, flush tanks, etc.; specifications can be obtained from Mr. Calhoun; plans on file at office of William W. Lyon, 305 Duval Bldg., Jacksonville, Fla., and of Mr. Calhoun; certified check for 3 per cent. of bid.

Sewer Construction.—Bids will be received at office of Dan C. Smith, City Secretary, Houston, Tex., until February 7 for constructing sanitary sewers in Fourth ward; work will comprise 5580 linear feet of 12-inch pipe, with manholes, flush tanks, etc.; specifications and plans, bidding blanks and form of contract can be obtained at office of F. L. Dormant, consulting engineer, Houston; certified check \$650; H. B. Rice, Mayor.

Stamped Metal.—Bensusan, Sides & Co., Salomon, Turkey, want stamped metal; assorted colors; 20x14 inches; delivered in boxes containing 225 sheets; want samples, prices and other data; contemplate placing many orders.

Steel Spring Teeth.—Harrington & Co., Lewiston, N. C., wants to place order for manufacture of spring teeth, by pattern, from 3-16-inch steel wire.

Structural Steel.—See "Building Materials, etc."

Street-cleaning Machinery.—John W. Hughes, care of Lynchburg Billposting Co., 208 9th St., Lynchburg, Va., wants to correspond with manufacturers of street sprinklers, brooms, gutter sweepers, etc.

Stump-pullers.—T. E. Johnson, care of Edward Well Co., Houston, Tex., wants to correspond with manufacturers of or dealers in stump-pullers.

Tannic-acid Machinery.—A. E. Sides, Mt. Airy, N. C., wants prices on machinery for manufacturing tannic acid.

Terra-cotta.—See "Building Materials, etc."

Tin Shingles.—Clark & Martin, Teague, Tex., want tin shingles for roof.

Toothpick Machinery.—Joseph Ash, Statesville, N. C., wants addresses of manufacturers of toothpick machinery.

Traction Engine.—Frank H. Asam, 313 Clinton St., Detroit, Mich., wants information and prices on steam tractor for hauling on snow and ice.

Unloader.—Southern Equipment Co., Houston, Tex., wants ballast car unloader.

Unloading Machinery.—G. W. Dean, Shortsville, N. Y., wants second-hand coal elevator for unloading coal from cars in retail yard of six cars per month capacity.

Vacuum Cleaners.—R. L. Moss & Co., Athens, Ga., wants addresses of manufacturers of vacuum cleaners.

Varnish.—Acme Manufacturing Co., San Marcos, Tex., wants prices on varnish.

Vault Door.—Farmers and Merchants' Bank, McCall, S. C., will open bids February 7 on vault door for remodeled brick building.

Ventilators.—M. J. Donovan, Vicksburg, Miss., wants roof ventilators.

Veneering.—Acme Manufacturing Co., San Marcos, Tex., wants prices on veneering.

Water-works Construction, etc.—Proposals addressed to John D. Galtier, City Secretary, will be received by City Council, Merkel, Tex., until February 21 for furnishing cast iron pipe and specials, valves and hydrants; for pipe laying and furnishing and erecting complete pumping equipment, steel tower and tank, reinforced concrete tank, pumping station, including machinery foundations; including furnishing about 6200 feet of eight-inch, 5036 feet of six-inch and 760 feet of four-inch cast-iron pipe; 15 eight-inch, 9 six-inch and 3 four-inch gate valves; 27 fire hydrants; laying pipe; furnishing and erecting two 20-horse-power and one 6-horse-power gasoline engines, two 250 gallons per minute and one 70 gallons per minute triplex pumps; furnishing material for and erecting one 50,000-gallon steel tank, with steel tower; one 125,000-gallon reinforced concrete tank, one brick pumping station, together with machinery foundations; bids to be on blank forms furnished by city and accompanied by certified check for 5 per cent. of bid; specifications, forms of contract and proposal blanks may be obtained from Mr. Galtier or from Fountain-Shaw Engineering Co., 323 Chronicle Bldg., Houston, Tex.; complete plans and specifications can be seen in City Hall room in Merkel and office of Fountain-Shaw Engineering Co.; complete plans and specifications forwarded from office of Fountain-Shaw Engineering Co. upon request accompanied by 50 cents to cover cost of blueprint, if either drawing showing pumping station and equipment and water tanks, or one showing general piping system is desired, or accompanied by \$1 if both drawings are wanted.

Weighing Machinery.—See "Packing Machinery."

Well-drilling Machinery.—Thos. P. Converse, address for 90 days, Room 19 Converse Bldg., Houston, Tex., wants prices on machinery for oil developments.

Well-drilling.—Dickson Ice Co., A. F. Myers, manager, Dickson, Tenn., wants bids on drilling well; 4½ to 6-inch bore; 200 to 500 feet deep; to supply not less than 30 gallons per minute.

Well-drilling Machinery.—T. L. Watt & Co., Scotts, N. C., wants names of manufacturers of and dealers in well-drilling or boring machines with power attached.

Well Drilling.—Bowie (Tex.) Oil & Gas Co., invites bids for drilling well possibly 3000 feet deep; drillers to figure on each 100 feet separately, to furnish material and labor; Sneed Strong, secretary committee, Bowie, Tex.

Wire Fencing.—M. J. Donovan, Vicksburg, Miss., wants wire fencing.

Wire Workers.—See "Steel-wire Spring Teeth."

Wiring.—See "Building Materials, etc."

Woodworking Machinery.—See "Toothpick Machinery."

Woodworking Machinery.—Box 536, Sheffield, Ala., wants wood lathe; also band saw.

Woodworking Machinery.—W. B. Baker Lumber Co., Heber, Ark., wants spoke and neck-yoke lathe, new or second-hand 30-inch resaw, a two-stw trimmer and other machinery.

Woodworking Machinery.—M. Solmonson Fly Screen Co., Bayard and Nanticoke Sts., Baltimore, Md., may purchase several wood-working machines.

Woodworking Machinery.—See "Furniture Factory Equipment, etc."

Woodworking Machines.—Osceola Lumber Co., Kissimmee, Fla., wants light wood-working machines for novelty works.

Henry Vogt Machine Co.'s Sales.

Recent sales of the Henry Vogt Machine Co., Louisville, Ky., manufacturer of ice and refrigerating machines, engines, boilers, direct heat and steam driers, roller and filter presses, etc., include the following: 100-ton refrigerating machine to Solar Refining Co., Lima, Ohio; 25-ton ice-making machine to Standard Ice & Fuel Co., Pittsburg, Kans.; 40-ton exhaust steam refrigerating machine to Henneberry & Co., Arkansas City, Kans.; 25-ton ice-making machine to E. C. Stuart, Bartow, Fla.; 150-ton exhaust steam refrigerating machine to Standard Oil Co. for plant at Communipaw, N. J., and three 150-ton exhaust machines for plant at Constable Hook, N. J.; 200-ton exhaust steam refrigerating machine to Centerfreeze Ice Co., Oklahoma City, Okla.; 40-ton ice-making machine to Frank G. Jones, Louisville, Ky.; 50-ton refrigerating machine to Phoenix Cotton Oil Co., Memphis, Tenn.; 20-ton ice-making machine to Shoop-Withers Company, Norfolk, Va.; 10-ton ice-making machine to Halls (Tenn.) Light, Water & Ice Co.; 6-ton ice-making machine to Mulberry (Fla.) Ice Works; 150-ton exhaust steam refrigerating machine to Jamaica Bay Manufacturing Co., Rockaway Beach, N. Y., and others.

INDUSTRIAL NEWS OF INTEREST

Hardware Business Needed.

There is an excellent opportunity at Falfurrias for the establishment of a first-class hardware business. For particulars write to the Miller Bros. Company, Falfurrias, Tex.

Establishes Branch Office.

The Wagner Electric Manufacturing Co., St. Louis, Mo., announces that it has established a district office at Room 509 Union Trust Bldg., Detroit, Mich., with A. H. Hoffman in charge.

Changes Its Name.

For the purpose of more closely identifying the name of the company with its product, the Mayo Knitting Machine & Needle Co. of Franklin, N. H., has changed its name to the Acme Knitting Machine & Needle Co. The principal product of this company is the "Acme" seamless hosiery knitters, while it also manufactures the "Hemphill" knitter, latch needles, etc.

Will Supply Dumping Cars.

Another large order for its products has recently been secured by the William J. Oliver Manufacturing Co. of Knoxville, Tenn. This order provides for the manufacture of 400 air steel dumping cars for use on the Panama Canal work, and is said to involve about \$400,000.

Reinforced Asbestos Covering.

Primarily introduced as a cotton-bale covering, a reinforced asbestos covering which has been patented by Mrs. A. O. Brigrance of Navasota, Texas, is said to be adaptable to so many other uses that its commercial value will probably greatly increase. This covering is claimed to be fireproof and capable of taking varied finishes which make it waterproof.

Installs Electric Elevator.

The Atlas Machine Co., 725 East Main St., Louisville, Ky., W. A. Chick, manager, recently secured a contract from Wm. A. Robinson for a freight elevator for the Robert Rowell Bldg., Louisville. This is a direct-connected electric machine, traveling from the cellar to the fourth floor. The complete installation, including wiring, was made by the Atlas Company. Arthur Loomis was the architect.

Trump Turbines in Canada.

Recent shipments of Trump turbines to Canada for the development of hydro-electric power included one to the High Falls Power Co. of Halleybury, Ont. This equipment consisted of two high-head special horizontal turbines designed to work under a head of 85 feet, direct connected to generators, and will be employed for generating power to supply the gold-mining plants in that vicinity. They were manufactured by the Trump Manufacturing Co., Springfield, O.

Dewstoe-Lathrop Machinery Co.

W. R. Lathrop, who has been connected with the Niles-Bement-Pond Company's New York and Birmingham offices for several years, has severed his connection with that company and has associated with himself M. E. Dewstoe of Birmingham, Ala., forming the Dewstoe-Lathrop Machinery Co. This company will handle machine tools in Tennessee, Alabama, Georgia and Florida. Mr. Dewstoe has been in the machine-tool trade in the South for the past eight years.

Completes Important Contracts.

Among important contracts which have been completed by the Wilmington Iron Works, Wilmington, N. C., is one for the design, construction and installation of a steeple compound marine engine, 9-inch and 18-inch cylinder with 16-inch stroke, for the steamer Coquette. This company has also recently completed a marine boiler for the steamer Grayland, and has contracts for several more. The Wilmington Iron Works operates foundry, machine shops and copper works, and manufactures and deals in general mill supplies, mill and marine work, etc.

Architects and Industrial Engineers.

A. Francis Walker and William J. J. Chase announce their partnership in the firm of Walker & Chase, 1331 Candler Bldg., Atlanta, Ga., for the practice of architecture and industrial engineering. Mr. Walker has heretofore made a specialty of cotton mills and industrial plants, while Mr. Chase has confined his work to mercantile and public buildings. They have recently completed plans for a 10-story bachelor apartment for the Mutual Realty Co., Atlanta, one of the largest buildings of its kind in the South. This structure will have a concrete frame

of cage construction, incased with brick; ornamental cement and stone trimmings, and tile-covered roof garden.

Will Rebuild Shovel Plant.

At a meeting of the stockholders of the Conneaut Shovel Co., Conneaut, O., G. W. Benton was re-elected general manager, secretary and treasurer. Sufficient capital was subscribed to rebuild the company's plant, and construction is now in progress on a brick structure which will be equipped for a larger production than the former plant, embracing a line of strap-back shovels as well as the specialties formerly manufactured. The company desires to purchase presses, shafting and other equipment at once, and expects to be ready for operation within 30 days.

Kanawha Splint Coal Leaseholds.

Opportunities for securing Kanawha splint coal leaseholds are offered by the Blue Creek Coal & Land Co. of Charleston, W. Va., which has 45,900 acres of land in Kanawha and Clay counties, West Virginia. The tract is said to carry all the Kanawha seams, of which the No. 5 "Splint" and "Coalburg" are now being mined. It is located on the Kanawha & West Virginia Railroad, which has its own equipment, and pro rata arrangements with the Hocking Valley Railroad system and other connecting lines, giving operators main-line rates on coal from these fields.

Employs Chief Irrigation Engineer.

J. G. White & Co., 43-49 Exchange Pl. and 41-43 Wall St., New York, announce that they have employed I. W. McConnell as chief irrigation engineer to assist in looking after their increasingly important irrigation and hydraulic work. Mr. McConnell was recently supervising engineer of the United States reclamation service, and is well known in connection with the Gunnison tunnel and other important work. He is a graduate of Cornell University, and as chief irrigation engineer for J. G. White & Co., will have general supervision of all subjects relating to irrigation undertakings. His office will be located at the main office of the company at 43 Exchange Pl., New York.

Will Purchase Cotton Mills.

T. H. Martin, consulting engineer, 220 Empire Bldg., Atlanta, Ga., reports that he has clients who are willing to purchase cotton mills on a bargain basis. Buyers will reorganize and operate at present locations or will possibly move to new locations. Mills have in some cases been unwisely located and, through no fault of the construction or management, have not succeeded. In other cases inexperienced management has made success impossible. Where such conditions exist, sale or reorganization will give the industry new opportunity.

Miracle Collapsible Steel Forms.

For over three years the Miracle collapsible steel forms for culvert, sewer and conduit work in concrete has had an increasing sale. These forms are manufactured by the Miracle Pressed Stone Co. of Minneapolis, Minn., which has heretofore handled them with its other line of concrete-working machinery and tools. The company has recently organized a special department, however, for promoting their sales, and anticipates the demand for them during 1910 will be extensive. The Miracle collapsible steel forms are illustrated and described in a catalogue which the company is distributing.

Installs Westinghouse Equipment.

For supplying the motor-driven pumps of its municipal water-filtration plant the city of Cohoes, N. Y., has installed two Westinghouse gas-engine-driven direct-current generator sets, using producer gas as fuel. Both engines are of the three-cylinder type, 15x14 inches, and develop 125 horse-power. They are direct connected to two 75-kilowatt 125-volt Westinghouse direct-current generators. These machines furnish power for the motors driving the pumps of the city water supply, besides several other small motors about the plant, and for local lighting. The producer gas for the installation is derived from two 125-horse-power J-25 Westinghouse gas producers. The use of the gas producer in connection with the gas engine in a small plant of this kind is said to secure many advantages of economy, efficiency and ease in operation over the equivalent combination of boilers and steam engines. The equipment referred to was manufactured by the Westinghouse Machine Co. and the Westinghouse Electric & Manufacturing Co., both of Pittsburgh, Pa.

The Twentieth Century Snow Plow.

Recent demonstrations in New York, Philadelphia and other cities have shown the practicability of the Twentieth Century snow plows for removing snow from traffic ways. This plow is constructed along the lines of the ordinary agricultural plow, except that its blade is longer, sweeping seven feet and close to the surface of the street, throwing the snow to one side in a ridge. It can be used either on wood blocks or asphalt, and with less effect on Belgian blocks and cobbles. Information regarding it may be obtained in literature which is being distributed by the Barron & Cole Company, 127 Franklin St., New York, Eastern agent for the Twentieth Century grader, Maney four-wheel scrapers, Nims concrete machinery, petrolitic road machinery, Healey sewer cleaning machinery, Conely street-flushing machines, Peerless hand street sweepers, XXX contractors' buckets and other equipment.

Frick Company's Sales.

Among manufacturers of ice and refrigerating machinery who have recently made numerous and important sales, many of them to Southern purchasers, is the Frick Company of Waynesboro, Pa. The products of this company are well known and have been widely introduced, and the Southern demand for them is strikingly emphasized in the following sales: 150-ton improved flooded freezing system, to be installed at Fort Worth, Tex., for Armour & Co., Chicago, Ill.; 12-ton ice plant and compression system, improved flooded freezing system and distilling systems to Giddings, Havecoite & Kiel, Somerville, Tex.; 10-ton ice plant, freezing, distilling and boiler systems to Middlesex Manufacturing & Mercantile Corporation, Urbana, Va.; 10-ton refrigerating machine for fishhouse at Hornersville, Mo., to John Hague, St. Louis, Mo.; 50-ton ice plant and compression system, freezing and distilling systems to be installed at Silsbee, Tex., to Hamilton & Horlock, Vavasota, Tex.; 12-ton ice-making compression system, 5-ton flooded freezing system and storage piping to Shreveport (La.) Ice Cream Factory; 50-ton ice plant and compression system, flooded freezing and distilling systems to Thomas W. Carroll, Charleston, S. C.; 6-ton ice plant and compression system, flooded freezing, distilling and boiler systems to Anahuac (Tex.) Ice Co.; 20-ton ice plant and compression system, flooded freezing and distilling systems to Lakeland (Fla.) Ice & Refrigerating Co.; 50-ton ice refrigerating machine and compression system and 20-ton distilling system to Ernest Hoffman, Sr., Lexington, Ky.; 12-ton ice plant and compression system, flooded freezing and distilling systems and storage piping to Edmond (Okla.) Ice Co.; 24-ton flooded freezing system to Little Rock (Ark.) Ice Co.; 14-ton ice-making compression system, 8-ton flooded freezing system, 8-ton distilling system and storage piping to Hastings (Fla.) Cold Storage Co.; 2-ton refrigerating machine, compression system and storage piping to be installed at Kenedy, Tex., for R. J. Scarborough, Yoakum, Tex.; 6-ton refrigerating machine to be installed at Little Rock, Ark., for John Hague, St. Louis, Mo.; two ammonia compressors to Arkansas & Texas Consolidated Ice & Coal Co., Pine Bluff, Ark., and others.

TRADE LITERATURE.

Type T Transformers.

The Western Electric Co., 463 West St., New York, has received from the press its bulletin No. 5270, illustrating and describing type T transformers, giving complete information regarding the design and construction, with a description of the different essential parts. A copy of the bulletin will be mailed to any address.

MacGovern, Archer & Co.'s Catalogue.

A catalogue recently issued by MacGovern, Archer & Co., 114-118 Liberty St., New York, illustrates and describes electrical and steam machinery, power-house equipment, cars, etc. It is intended to place before users of electrical and steam machinery such second-hand equipment as is in good condition, together with machinery that has never been used, all ready for immediate shipment.

The American Bolt Co.'s Catalogue.

Organized in 1847 for the purpose of manufacturing iron and steel products, the American Bolt Co., general offices and plant 39th street and Tenth avenue, Birmingham, Ala., has given special attention to the manufacture of machine, carriage, track and blank bolts, square and hexagon nuts, anchors, plates, washers and upsets, bridge and building rods, etc. The company has recently made improvements in its methods and equip-

ment in order to secure improvement in quality, with greater economy and rapidity of production, and is prepared for prompt shipment of both stock and special goods. Its products are described and illustrated in a catalogue recently issued.

Cortright Metal Shingle Advocate.

Among trade literature of an interesting and valuable character is the Cortright Metal Shingle Advocate. This publication is issued by the Cortright Metal Roofing Co., 50 North 23d street, Philadelphia, Pa., and 131 Van Buren street, Chicago, Ill., and should be of interest to those having house-covering problems.

The Automatic Sprinkler Bulletin.

The Automatic Sprinkler Bulletin, published by the General Fire Extinguisher Co., Union Trust Co. Bldg., Providence, R. I., has recently been issued. Among other features this publication contains an article on the "History and Application of Automatic Sprinklers," by W. A. Neracher; "The Water Hammer," and an illustrative and descriptive article of the White Oak Cotton Mills at Greensboro, N. C.

A Mageto Telephone Set.

A booklet which the Western Electric Co., 463 West street, New York, is distributing illustrates and describes all the parts of No. 1317 type mageto telephone set, and advances reasons for using it. The booklet is neatly arranged in post card form and, in addition to the information it contains regarding this new telephone set, it presents a view of the Western Electric Co.'s Hawthorn plant, covering 150 acres.

Conveying and Transmission.

Published in the interest of methods for mechanical handling of materials and transmission of power, the Stephens-Adamson Manufacturing Co., main office and plant, Aurora, Ill., has issued its publication, "Conveying and Transmission." This magazine is illustrated and contains descriptive data regarding belt conveyors, troughing carriers, helical flat-belt carriers, automatic trippers, conveyor belting and other products of the Stephens-Adamson Manufacturing Co.

A Journal of Belt Engineering.

Phoenix, a monthly journal of belt engineering published by the New York Leather Belting Co., 51 Beekman street, New York, has been issued for January. This publication has been enlarged to 9x12 1/2 inches, and is devoted exclusively to belting and transmission problems, the number referred to containing articles of value and timely interest. Among the products of the New York Leather Belting Co. are oak-tanned leather belting and lace leather.

Class A Air Compressors.

Illustrative and descriptive of its class A air compressors is a pamphlet recently issued by the American Air Compressor Works, main office and plant, Van Brunt and Summit Sts., Brooklyn, N. Y., and sales office at 26 Cortlandt St., New York. These machines are adapted for stone-carving tools, surfacing machines, riveters, chipping hammers, air drills, automatic handling of work on press, charging air cushions, vacuum cleaning, operating filter presses and other work.

Carnival Calendar for Mardi Gras.

Elegant and modern in all its appointments, and with a capacity for the accommodation of more than 1000 guests, the New St. Charles Hotel, A. R. Blakely & Co., Ltd., proprietors, New Orleans, La., is one of the largest and best of Southern hostilities. It is conducted on the American and European plans, and offers exceptional service to tourists and others. Its proprietors have recently issued an attractive carnival calendar for Mardi Gras, the week beginning February 3 and ending February 8, together with other useful and pleasing souvenirs.

The Garvin Machine Co.'s Catalogue.

Among new catalogues is Edition G, recently issued by the Garvin Machine Co., Spring and Varick streets, New York. This publication illustrates and describes the Garvin products, including spring coiling machines, cutter and surface grinders, milling machine tools and attachments, screw machine tools and attachments, friction and cone pulleys, countershafts, hangers, hand lathes, etc. It also contains tables of information useful to mechanics, together with a list of special and regular machines for manufacturing automobile parts.

Drykils for Timber Products.

Covering all the latest ideas which have been gained by constant attention to and close observation of the smallest details is

catalogue No. 255, issued by the American Blower Co., Detroit, Mich. This publication is illustrated and comprehensively describes drykilns and specialties for timber drying, and should be of value and interest to manufacturers of wood products. Other literature which the American Blower Co. is distributing includes bulletin No. 253, illustrating and describing "ABC" steel-plate fans; bulletin No. 254, illustrating "ABC" cone fans, and bulletin No. 257, illustrating and describing Detroit steam traps.

The J-M Packing Expert.

For the purpose of keeping the public in touch with the rapid progress and impending developments of the J-M packing industry, the H. W. Johns-Manville Company of New York and other cities has issued the first edition of a publication which it intends to issue on the 20th of each succeeding month from its branch office at 813-815 Superior Ave., N. W., Cleveland, O. This paper is called the "J-M Packing Expert" and contains a description of asbestos, with other timely information. The H. W. Johns-Manville Company manufactures asbestos roofings, boiler and pipe coverings, packings, heat-resisting cements, fire extinguishers, insulating materials and other products.

Power-Transmission Machinery.

Superseding all previous catalogues, the Jones & Laughlin Steel Co., Pittsburg, Pa., has issued its catalogue for 1910. This publication contains a total of 239 pages, is durably and attractively bound in cloth and printed on an excellent quality of paper. It illustrates and describes the products of the company, including machinery of various kinds for the transmission of power, etc. In the manufacture of its cold rolled shafting, piston rods, pump rods, engine guides, etc., the company states that it employs homogeneous steel, and each process of manufacture, from mining the ore to finishing the product, is conducted in plants owned or controlled by the company and under the supervision of experts. This is done with a view to producing high-grade products, having uniformity of structure and exactness of finish, with such softness and ductility as to admit of it being worked as easily and as cheaply as iron. The company also operates foundries and machine shops for the production of couplings, hangers, pulleys, flywheels and other equipment.

New Sullivan Literature.

New literature relating to some of the products of the Sullivan Machinery Co., 150 Michigan avenue, Chicago, Ill., has recently been issued by that company. This includes Bulletin No. 56B, illustrating and describing automatic slide-valve hoisting engines for mines; Bulletin No. 60C, illustrating and describing hammer drills and stone-dressing tools for quarries and cutting sheds, and Bulletin No. 60F, illustrating and describing hammer drills for construction, quarrying and mining work. The company is also publishing its "Mine and Quarry" magazine, which contains articles of value to mine and other interests. These include a description of Diamond drills on the St. Lawrence River (testing the river bottom for bridge piers at Quebec); chain coal cutters at mine plant of the Big Muddy Coal & Iron Co. at Murphysboro, Ill.; description of plant, Diamond drilling, ground breaking, etc., at plant of the Vermont Copper Co.; a paper read before a French engineering society on the utilization of fire damp as fuel; description of quarries, methods and tools used in finishing work at Barre, Vt., and an article by Prof. A. C. Lane of Tufts College, State geologist of Michigan, detailing a study of results secured by Diamond drilling.

"Pioneer" Road Asphalt.

The season is approaching in which activities are renewed in good-roads construction, and in order to acquaint those in charge with the latest results of its "Pioneer" road asphalt, the American Asphaltum & Rubber Co., 690-614 Harvester Bldg., Chicago, Ill., has issued an interesting booklet. In addition to fully setting forth the advantages of "Pioneer" road asphalt for making good roads durable, dustless and free from mud, ruts and holes, numerous illustrations are given of roads in various sections of the country showing the results accomplished from the use of this material. The booklet also contains specifications for permanently waterproofing and binding macadam roadways. The company claims that in addition to making the roadway dustless its asphalt also binds the wearing surface, thus making a firm, elastic, waterproof roadway, and on account of its long life (demonstrated by 14 years' record as a filler for brick pavements) makes a satisfactory and practically permanent road at a lower cost than other ma-

terials which have to be renewed from year to year.

Murray Corliss Engines.

Incorporating February 1, 1870, the Murray Iron Works Co. of Burlington, Iowa, for 40 years has operated foundries, engine shops and boiler works, its plants being located at Burlington and West Burlington, Iowa, and at Aurora, Ill. At Burlington it manufactures its Corliss engines in shops devoted exclusively to that purpose—said to be one of the few instances in this country where such manufacturing conditions prevail. Its boiler shops, however, are located near the engine shops, so that complete power plants are loaded out at one time, and when of moderate size the engine and boiler go on one car, with a consequent saving of freight charges, as well as a convenience to the purchaser. This company has recently issued its catalogue No. 65, which illustrates and describes its Corliss engines and parts. In addition to containing much valuable and timely information for the use of engineers. The publication is attractively and durably bound, making it convenient for filing service, and published on an excellent quality of paper. Among the products of the Murray Iron Works Co. are Corliss engines, air compressors, pumping engines, tubular, water-tube and internal-furnace boilers, feed water heaters and complete power plants.

Mine and Quarry Information.

The January issue of Mine and Quarry, the quarterly bulletin published by the Sullivan Machinery Co., Railway Exchange Bldg., Chicago, contains articles of more than usual interest. Among them may be mentioned "Diamond Drilling in the St. Lawrence River on the Site of the Quebec Bridge," in which interesting features connected with this work are elaborated upon; "An Illinois Coal Mine," in which No. 9 opening at Murphysboro, Ill., of the Big Muddy Coal & Iron Co. is described and illustrated in order to point out its excellent example of approved methods in development and operation in this coal field; "The Vermont Copper Co.," in which this plant, from its organization up to the present time, is described and its leading and interesting features pointed out and illustrated; "The Granite Industry of Barre, Vermont," which covers the development of this important industry from its beginning up to the present time and shows how broadly it has expanded. In all of these various industries the peculiar adaptability of Sullivan drills, coal-cutting machinery and other special equipment is strikingly pointed out, especially the manner in which they have successfully met difficult conditions.

The Lighting of Mills and Factories.

One of the important questions to be considered in the economical operation of an industrial plant is proper lighting facilities. Much attention has been devoted to this subject by manufacturers of lighting equipment. Good illumination means efficiency and economy, and this in the end means profit. When the worker can see what he is doing, more work and better work with fewer mistakes and the spoiling of less material will result. This important subject is covered in a booklet issued by the Holophane Co., Newark, Ohio. The company makes a specialty of modern illumination. Its illuminating engineers have given the question of lighting industrial plants much study and have carried on a number of tests with practical mill men, so that its booklet (while commercial literature) will be found of material assistance to those who are considering this important subject. The booklet covers the various kinds of lighting systems, including general illumination, group and individual lighting. Each division of lighting is covered in detail, and numerous illustrations are given to emphasize the points made. The economies of lighting is also treated quite thoroughly, and facts and figures are given to bear out the statements made. Practical suggestions for lighting with incandescent lamps are given for shoe factories, textile mills and machine shops. Among the important features of the Holophane system of illumination are the Holophane-D'Olier steel reflectors, which have met with gratifying success in solving the lighting problem. These reflectors are furnished for every possible requirement.

NEW ORLEANS IMPROVEMENTS.

Arrangements Completed for Issue of \$7,000,000 of Bonds.

[Special Cor. Manufacturers' Record.]

New Orleans, January 22.

Of considerable public significance is the fact that final arrangements have just

been completed by which New Orleans will shortly advertise for bids on \$7,000,000 of 4 per cent. public improvement bonds. This is the remainder of an authorized issue of \$8,000,000 for the completion of water, drainage and sewer extensions, and which will be sufficient to serve all the present settled portion of New Orleans, thus providing a system which puts New Orleans in the front rank of American cities in the character and extent of waterworks, sewerage and drainage, with a total expenditure on the work, when completed, of some \$23,000,000. A full account of the history of this work and the financial features of the bond issues appeared in this correspondence in THE MANUFACTURERS' RECORD of April 29, 1909, and it is probably necessary now to simply record the events that have occurred since that date.

Last spring it was proposed by the authorities here to sell \$4,000,000 of the authorized \$8,000,000 issue, but on account of the bond market conditions at that time, there were no offerings made. Subsequently \$1,000,000 of the bonds were taken by local banks. Recently assurances were received that if the remaining \$7,000,000 bonds were to be offered in entirety there were reasons for believing that offers would be made by responsible parties, whereas it would be difficult to market a portion only—the idea being that the prospective purchasers would want to be in position to control the entire issue. The authorization by the City Council, by a two-thirds vote, and of the Board of Liquidation of the City Debt was required before the entire \$7,000,000 could be offered in this way. The necessary ordinance and resolution have both been adopted, so that the sale, which will be sealed proposals, to be advertised for in certain publication designated by law, will probably take place some time in March.

As previously explained, constitutional amendments were adopted by a vote of about 7 to 1 authorizing the \$8,000,000 issue in the first place, and subsequently, due to the tight money market of 1907-8, authorizing the payment of a commission not exceeding 6 per cent. The bonds may therefore be sold at par, less a discount or commission of 6 per cent.

The assurances of a sale of this magnitude emphasize the return of normal conditions, and at the same time will serve to attract additional attention to the modernization of New Orleans—a work practically dating from the organization of the Sewerage and Water Board in 1900. A \$7,000,000 waterworks and filtration plant, one of the most complete and modern in the United States, has been built, and is now serving the city with water of crystal clearness; a drainage system has been installed, which takes care of storm water, carrying off the not-infrequent torrential downpours within a few hours, and so lowering the water table here that cellars have now become the common feature of new buildings, and a sewerage system has been established which has practically revolutionized sanitary conditions here. And so, in addition to being one of the most picturesque and charming of American cities, on account of her ancient civilization, her sunnysouled citizens and her kindly climate, New Orleans is becoming a vastly cleaner city as she has already become one of the healthiest cities in the Union.

Along with the water, drainage and sewer improvements, there is a notable degree of street improvements, about \$1,500,000 having been spent in this work during the past year, with considerably more than \$1,000,000 proposed for 1910. This work includes not only the paving of business and residence streets, but also

the development of driveways, with the result that there is an activity in suburban properties now under way, to which New Orleans was formerly a stranger. One of these developments is in the so-called West End, along the southern shores of Lake Ponchartrain, where the observant outsider has long been able to foretell a time when the situation there would be utilized to create a most attractive and highly ornate residential section, with lake-shore driveways, high-class amusement centers and beautiful homes.

The city is rapidly completing a remarkable system of wharves with steel sheds, which are unsurpassed in extent and character by hardly any other American city; and along with improvement of shipping facilities by water, which include the establishment of new coastwise and other shipping lines, there has been during recent months a notable increase in railroad shipping facilities by the entrance of three new railroad lines—the Rock Island, the Frisco, and the Louisiana Railroad & Navigation Co.

The new buildings constructed during the past year footed up \$4,000,000, and in addition to office buildings, shops, stores, apartments and residences, the list includes a dozen or so of modern warehouses, which mark a new era of development in that line.

The general progress of the commercial and industrial development here is indicated in the fact that during last year 227 new corporations were chartered, with a total authorized capitalization of \$35,000,000.

ALBERT PHENIX.

FINANCIAL NEWS

THE MANUFACTURERS' RECORD invites information about Southern financial matters, items of news about new institutions, dividends declared, securities to be issued, openings for new banks, and general discussions of financial subjects bearing upon Southern matters.

Review of the Baltimore Market.

Office MANUFACTURERS' RECORD.

Baltimore, Md., January 26.

Speculative issues were dull in the Baltimore stock market during the past week, but there was activity in investment securities. In the trading United Railways common sold at 13; do. trust certificates, 13½ to 13; do. incomes, 60 to 59¼; do. funding 5s, 84 to 83¾; do. do. scrip, 84½ to 84; Seaboard 4s, 86 to 86½; Consolidated Gas, Electric Light & Power common, 49¼ to 49; do. preferred, 84¼ to 86; Consolidated Gas 6s, 100¾; Seaboard Company common, 25½ to 24½; do. second preferred, 43 to 45¼; Seaboard three-year 5s, 99½ to 99½; do. 10-year 5s, 99¼ to 99¾; Seaboard 4s, stamped, 83½ to 84¼; Mt. Vernon-Woodberry Cotton Duck 5s, 75¾ to 75; G.B.-B. Brewing 1sts, 41½ to 42.

Bank stocks sold as follows: Citizens', 39; Marine, 42; Merchants', 175 to 180.

American Bonding was traded in at 80; Maryland Casualty, 95 to 93; Baltimore Trust, 304 to 310; International Trust, 141 to 137½, with last sale at 138; Colonial Trust, 26¼; Fidelity & Deposit, 154 to 152½; Mercantile Trust, 149 to 148½; Maryland Trust preferred, 108; United States Fidelity, 140.

Other securities sold thus: Houston Oil common, 7½ to 7¾; Atlantic Coast Line consolidated 4s, 94¾ to 95; do. convertible debenture 4s, 101 to 100; do. new 4s, certificates, 100¾ to 100¼; Central Railway extension 5s, Baltimore, 109¼; Fairmont & Clarksburg Traction 5s, 96¼ to 96; Georgia Southern & Florida 5s, 108 to 108½; Macon Railway & Light 5s, 95; City & Suburban 5s, Washington, 104; Columbia & Greenville 1st 6s, 107½; Georgia & Alabama Consolidated 5s, 104¼

to 104; Georgia Pacific 1sts, 113 3/4; Macon, Dublin & Savannah 5s, 97; Metropolitan 5s, Washington, 109; Northern Central Railway stock, 120 1/2 to 124; Consolidation Coal, 115 to 112; Merchants & Miners' Transportation Co., voting trust, 88 to 87; Coal & Iron Railway 5s, 101 1/2; Norfolk Railway & Light 5s, 99; Savannah, Florida & Western 6s, 125 1/4; Baltimore City 4s, 1954, 104 1/2; do. 3 1/2s, 1930, 97; do. do. 1928, 98; do. 5s, 1916, W. L., 105; do. 3 1/2s, 1940, 97; do. do. 1980, 92 1/2; Lynchburg Refunding 4 1/2s, 1927, 103; Baltimore Electric 5s, stamped, 90 7/8; Atlantic Coast Line of Connecticut, 335; Western Maryland Railroad stock (New York basis), 51; German Fire Insurance, 16; Kirby Lumber Co., second series, 67 1/4; United States Steel, 85 3/4; Maryland Electric 5s, 97 1/2 to 97 3/4; St. Louis, Iron Mountain & Southern, River and Gulf division 4s, 87 1/2; Western Maryland 4s, 85 1/4 to 84 1/2; Fairmont & Clarksburg Traction preferred, 77 1/2 to 75; Norfolk Railway & Light stock, 22; Consolidation Coal scrip, 120; George's Creek Coal & Iron, 120 1/2; Carolina Central 4s, 92 1/4; North Carolina 4s, 1910 99 1/4; Baltimore City Passenger 5s, 100 3/4; Wilmington & Weldon 5s, 113; Georgia, Carolina & Northern 5s, 104 1/2; Chesapeake & Ohio Railway, Big Sandy division 4s, 88 3/4.

SECURITIES AT BALTIMORE.

Last Quotations for the Week Ended January 26, 1910.

Railroad Stocks.	Par.	Bid.	Asked.
Atlanta & Charlotte.....	100	185	...
Atlantic Coast.....	100	130	131
Atlantic Coast of Conn.....	100	25 1/2	27 1/2
Georgia Sou. & Fla. 1st Pfd.....	100	95	96
Georgia Sou. & Fla. 2d Pfd.....	100	75	80 1/4
Seaboard Company Common.....	100	24 1/2	25
Seaboard Company 1st Pfd.....	100	44 1/2	46
Seaboard Company 2d Pfd.....	100	12 1/2	13
United Ry. & Elec. Co.....	50	51	52
West. Maryland (N. Y. basis).....	100	51	52

Bank Stocks.	Par.	Bid.	Asked.
Citizens' National Bank.....	10	38 1/4	39
Producers & Mech. Nat. Bank.....	100	215	...
Farmers & Mer. Nat. Bank.....	100	46	48
First National Bank.....	100	125	...
Maryland National Bank.....	100	20 1/2	21
Merchants' National Bank.....	100	178	180
National Bank of Baltimore.....	100	125	...
National Bank of Commerce.....	15	23 1/2	24
National Exchange Bank.....	100	155	...
National Howard Bank.....	10	12 1/2	...
National Marine Bank.....	30	40	...
National Mechanics Bank.....	100	27	...
Nat. Union Bank of Md.....	100	122	...
Third National Bank.....	100	121	...

Trust, Fidelity and Casualty Stocks.	Par.	Bid.	Asked.
American Bonding Co.....	25	...	80 1/2
Baltimore Trust & Guarantee.....	100	355	310
Colonial Trust.....	50	...	27
Continental Trust.....	100	210	216
Fidelity & Deposit.....	50	152 1/2	153 1/2
International Trust.....	100	137 1/2	140
Maryland Casualty.....	25	93	95 1/2
Maryland Trust.....	100	75	80
Maryland Trust Pfd.....	100	...	108
Mercantile Trust & Deposit.....	50	...	150

Miscellaneous Stocks.

Ala. Con. Coal & Iron Pfd.....	100	75	...
Con. Cotton Duck Pfd.....	50	24 1/2	...
Con. Gas, Elec. Lt. & P. Com.....	40	49	50
Con. Gas, Elec. Lt. & P. Pfd.....	100	85	89
Consolidation Coal.....	100	...	113
Georgia's Creek Coal.....	100	121	122 1/2
Mer. & Miners' Trans. Co.....	100	87	88

Railroad Bonds.

Atlantic Coast Line 1st 4s, 1952.....	94 1/2	95 1/4	...
Atlantic Coast Line new 4s, Cfs.....	100	101	...
At. Coast Line Com. 4s, Cfs.....	50	91 1/2	...
Atlan. Coast Line (Conn.) 5s, Cfs.....	105	...	...
Atlantic Coast Line Com. Deb. 4s.....	100	99 1/2	100 1/2
Balto. & Harrisburg 5s, 1936.....	107 1/2	108	...
Balto. & Harrisburg Ext. 5s, 1938.....	105	...	...
Charleston & West. C. R. 5s, 1946.....	106	108	...
Coal & Iron Railway 5s, 1920.....	101	101 1/4	...
Col. & Green, 1st 6s, 1916.....	107	...	...
Florida Southern 4s, 1940.....	96	...	...
Georgia & Alabama 5s, 1942.....	103 1/2	104 1/2	...
Georgia, Car. & North, 1st 5s, 1929.....	104 1/2	105	...
Georgia Pacific 1st 6s, 1922.....	113 1/2	114 1/2	...
Georgia South. & Fla. 1st 5s, 1945.....	108 1/2	109 1/2	...
Macon, Dublin & Savannah 5s.....	96 1/2	97 1/4	...
Petersburg Class A 5s, 1926.....	108	110	...
Potomac Valley 1st 5s, 1941.....	105	...	...
Raleigh & Augusta 1st 5s, 1928.....	117	118 1/2	...
Raleigh & Gaston 5s.....	107	...	...
Richmond & Petersburg 6s, 1915.....	107 1/2	...	...
Savannah, Fla. & West. 6s.....	125 1/4	126	...
Seaboard Air Line 5s, 10-year, 1911.....	99 1/2	99 3/4	...
Seaboard Air Line 5s, 3-year.....	99 1/2	99 3/4	...
Seaboard & Roanoke 5s, 1926.....	106	...	...
South Bound 5s, 1941.....	102	102 1/4	...
Virginia Midland 2d 6s, 1911.....	100	101 1/4	...
Virginia Midland 5th 5s, 1926.....	106	...	...
Western Maryland 4s, 1952.....	84 1/2	85 1/4	...
Western N. C. Con. 6s, 1914.....	106	106 1/2	...
West Va. Cent. 1st 6s, 1911.....	101	101 3/4	...
W. Va. Col. & Aug. 6s, 1910.....	100	...	...
Wilmington & W. Gold 5s, 1925.....	113 1/4	...	...

Street Railway Bonds.

Anacostia & Potomac 5s, 1949.....	102 1/2	103 1/2	...
Anacostia & Potomac 5s, Gtd.....	103	105	...
Atlanta Con. Street Railway 5s.....	105	105 1/4	...
Augusta Ry. & Elec. 5s, 1949.....	101 1/2	101 3/4	...
Balto. City Pass. 5s, 1911.....	100 1/2	101 1/4	...
Balto. Sp. Pt. & C. 4 1/2s.....	94 1/2	95 1/4	...
Balto. Trac. 1st 5s, 1923.....	108	110	...
Balto. Trac. (N. B. Div.) 5s, 1942.....	113	113 1/2	...
Charleston City Railway 5s, 1923.....	105	...	...
Charleston Con. Elec. 5s, 1909.....	90	...	...
City & Suburban 5s (Balto.), 1922.....	107	107	...
City & Suburban 5s (Wash.), 1948.....	102	105	...
Fairmont & Clarksburg Trac. 5s.....	95 1/2	96	...
Lexington Railway 1st 5s, 1949.....	91	92 1/2	...
Macon Ry. & L. 1st Con. 5s, 1957.....	95	95 1/2	...
Maryland Electric Railways 5s.....	97 1/2	97 3/4	...

Memphis Street Railway 5s.....	99 1/2	...	...
Metropolitan 5s (Wash.), 1925.....	108 1/2	109 1/2	...
Norfolk & Portsmouth Trac. 5s.....	80	81	...
Norfolk Railway & Light 5s.....	98 1/2	99 1/4	...
United Railways 1st 4s, 1949.....	96 1/2	97	...
United Railways Income 4s, 1949.....	59 1/2	59 3/4	...
United Railways Funding 5s.....	83 1/2	84 1/4	...

Miscellaneous Bonds.

Ala. Con. Coal & Iron 5s.....	82	...	...
Atlanta Gas 1st 5s, 1947.....	102 1/2	103	...
Baltimore Electric 5s.....	90	90 1/2	...
Consolidated Gas 5s, 1910.....	100 1/2	101 1/4	...
Consolidated Gas 5s, 1939.....	110	110 1/2	...
Con. Gas, Elec. Lt. & P. 4 1/2s.....	85	85 1/2	...
C. B. S. Brewing 1st 4s.....	42	42 1/4	...
Maryland Steel Co. 5s.....	102 1/2	103	...
Mt. Vernon Woodb'y 5s.....	75	75 1/2	...
United Elec. Lt. & P. 4 1/2s.....	92	92 1/4	...

SOUTHERN COTTON-MILL STOCKS.

Quotations Furnished by William S. Glenn, Broker, Spartanburg, S. C., for Week Ending January 24.

	Bid.	Asked.
Abbeville Cotton Mills (S. C.).....	75	...
Alken Mfg. Co. (S. C.).....	85	...
American Spinning Co. (S. C.).....	160	...
Arcadia Mills (S. C.).....	95	...
Archlight Cotton Mills (S. C.).....	100	105
Augusta Factory (S. C.).....	70	...
Avondale Mills (Ala.).....	116	...
Belton Mills (S. C.).....	120	...
Brogan Mills (S. C.).....	20	30
Cannon Mfg. Co. (N. C.).....	135	...
Cabarrus Cotton Mills (N. C.).....	130	135
Chiquola Mfg. Co. (S. C.).....	169	168
Clifton Mfg. Co. (S. C.).....	106	110
Clinton Cotton Mills (S. C.).....	118	125
Columbus Mfg. Co. (Ga.).....	93	98
Courtney Mfg. Co. (S. C.).....	98	98
Dallas Mfg. Co. (Ala.).....	98	...
Darlington Mfg. Co. (S. C.).....	76	88
D. E. Converse Co. (S. C.).....	100	105
Drayton Mills (S. C.).....	95	100
Eagle & Phenix Mills (Ga.).....	117	...
Easley Cotton Mills (S. C.).....	165	170
Enoree Mfg. Co. (S. C.).....	62	60
Enoree Mfg. Co. (S. C.) Pfd.....	99	100
Enterprise Mfg. Co. (S. C.).....	125	125
Exposition Cotton Mills (Ga.).....	155	160
Gainesville Cotton Mills (Ga.).....	75	81
Glennwood Cotton Mills (S. C.).....	145	...
Gluck Mills (S. C.).....	92	95
Graniteville Mfg. Co. (S. C.).....	155	165
Grendel Mills (S. C.).....	110	113
Hartsville Cotton Mill (S. C.).....	150	...
Henrietta Mills (N. C.).....	160	165
Inman Mills (S. C.).....	106	108
Iron Mountain Cotton Mills (S. C.).....	125	135
Lancaster Cot. Mills (S. C.) Pfd.....	98	...
Laurens Mills (S. C.).....	129	...
Limestone Mills (S. C.).....	155	165
Lockhart Mills (S. C.).....	80	...
Lockhart Mills (S. C.) Pfd.....	98	...
Loray Cotton Mills (N. C.) Pfd.....	92	94
Mariboro Cotton Mills (S. C.).....	83	...
Mills Mfg. Co. (S. C.).....	92	98
Mollihan Mfg. Co. (S. C.).....	106	...
Monarch Cotton Mills (S. C.).....	104	110
Monarch Cotton Mills (S. C.) Pfd.....	104	110
Newberry Cotton Mills (S. C.).....	124	130
Ninety-Six Cotton Mills (S. C.).....	135	145
Norris Cotton Mills (S. C.).....	124	130
Orr Cotton Mills (S. C.).....	104	106
Pacolet Mfg. Co. (S. C.).....	98	100
Pelzer Mfg. Co. (S. C.).....	165	...
Piedmont Mfg. Co. (S. C.).....	167	170
Poe Mfg. Co. (S. C.).....	165	170
Saxon Mills (S. C.).....	125	...
Sibley Mfg. Co. (Ga.).....	60	65
Spitler Mills (S. C.).....	129	...
Tucapau Mills (S. C.).....	250	...
Union-Buffalo (S. C.) 1st Pfd.....	77	80
Union-Buffalo (S. C.) 2d Pfd.....	20	25
Victor Mfg. Co. (S. C.).....	144	148
Warren Mfg. Co. (S. C.).....	92	93
Warren Mfg. Co. (S. C.) Pfd.....	104	...
Washington Mills (S. C.).....	130	...
Whitney Mfg. Co. (S. C.).....	135	...
Wiscasset Mills (N. C.).....	145	152
Woodruff Cotton Mills (S. C.).....	145	152
Woodsale Cotton Mills (S. C.).....	94	90
Watts Mills (S. C.).....	119	125
Williamston Mills (S. C.).....	119	125

Strictly a Southern Enterprise.

[Special Cor. Manufacturers' Record.]

New Orleans, La., January 24.

Offices will soon be established in New Orleans by the Great Southern Accident & Fidelity Co. of Atlanta, Ga. This is purely a Southern enterprise with capitalization of \$500,000, in which no outside money has been solicited. The company has been licensed to do a general casualty, fidelity and surety business in the State of Georgia, and has made application for licenses in Florida, Mississippi and Louisiana, and proposes to immediately enter other Southern States.

R. H. Cantrell of Atlanta, Ga., the promoter and organizer of the company, has been in New Orleans for some days arranging for opening of the New Orleans offices, which will be under supervision of W. A. S. Wheeler of Natchez and New Orleans, who is very widely known among financial and commercial circles in a number of Southern States.

In speaking of the new company Mr. Cantrell says: "It is the only multiple line casualty company in the South, and as this particular line of insurance is in its infancy, there is no reason why this company should not meet with great success and keep in the South the millions sent to the North and East as well as some 7,000,

000 annually sent to Scotland and England."

The officers and directors of the new company are: President, H. H. Bass, a prominent banker, merchant and capitalist of Griffin, Ga.; first vice-president, Ed. S. Moore of Atlanta, Ga., one of the best-known casualty and surety men in the South; second vice-president, W. A. S. Wheeler, Natchez and New Orleans; secretary and treasurer, J. R. Duvall of Atlanta.

The board of directors consists of the foregoing officers and S. E. Smith, president Guarantee Trust & Banking Co. of Atlanta; Natt D. Arnold, capitalist, Lexington, Ga.; J. M. Ponder, capitalist and banker, Forsyth, Ga.; L. Carter, capitalist of Savannah, Ga.; Judge David W. Meadow, capitalist of Elberton, Ga.; Jas. M. Smith, capitalist, Smithsonia, Ga.; R. H. Cantrell, promoter and organizer of the company, Atlanta, Ga.; Dr. S. F. West, medical director, Atlanta, Ga.; A. G. Campbell, president First National Bank, Natchez, Miss.; B. F. Barber, capitalist, Birmingham, Ala.; W. C. Pitner, vice-president Webb-Crawford Company, Athens, Ga.

It is the intention of the company to make the New Orleans office second in importance to the home office.

FINANCIAL CORPORATIONS.

Ala., Birmingham.—Official: The Interstate Casualty Co., capital \$250,000 fully paid, surplus about \$15,000, organized with W. D. Wood, president; J. W. Hughes, vice-president; E. F. Ensen, treasurer; Hinds Pevey, attorney; Dr. E. E. May, medical director, and J. T. Mitchell, assistant secretary.

Ala., Cullman.—Official: Parker Bank & Trust Co. incorporated with \$50,000 capital to succeed firm of Parker & Co.; directors, Geo. H. Parker, president; Henry C. Arnold, vice-president; M. L. Robertson, cashier.

Ark., Ashdown.—A title and guarantee company is reported being organized with \$50,000 capital. A. D. DuLaney is said to be back of the plan.

Ark., Clarksville.—Official: The First National Bank, chartered, is a conversion of the Johnson County Bank of Clarksville; capital \$25,000; surplus \$20,000; officers, C. E. Robinson, president; W. J. Basham, vice-president; A. N. Ragan, cashier; William Ragan, assistant cashier; E. T. McConnell, R. D. Dunlap, L. C. May and Sam Lasser, directors.

Ark., El Dorado.—The Title Guaranty & Abstract Co. has filed articles of incorporation; capital \$5000; incorporators, W. J. Miles, M. W. Hardy, J. H. Green and W. E. Patterson.

Ark., Lake City.—Reported that a bank capitalized at \$25,000 will soon be organized.

Fla., Tallahassee.—The Lederer Trust Co. has made application for a charter; capital \$5,000; Arthur J. Lederer, president, and R. C. Rorabeck, secretary and treasurer.

Fla., Ybor City, P. O. Tampa.—Reported that J. R. Tatum will be president; E. Berger, cashier, and Delphine Fernandez, assistant cashier of the new bank being organized with \$100,000 capital.

Ga., Chickamauga.—The Bank of Chickamauga has made application for a charter; capital \$25,000; organizers, G. L. Bonds, J. L. Moore, S. C. Tarver, J. F. Bonds, Don Harris, D. G. Elder, D. M. Dalton, Thomas H. Hunt and W. B. Bolton. Business is expected to begin about April 1.

Ga., Jenkinsburg.—The Farmers' Bank of Jenkinsburg, capital \$25,000, is reported to have opened for business with L. O. Benton of Monticello, president; J. W. Benson, Jr., Jenkinsburg, vice-president, and L. V. Hodges, Hogansville, cashier.

Ga., Manchester.—Official: The Bank of Manchester expects to receive its charter and open for business about February 1; capital \$25,000; organizers, Fuller E. Callaway, C. V. Pruitt, P. G. Awtry, all of Lagrange, and Jas. S. Peters of Woodbury, Ga.

Ga., Milledgeville.—The First National Bank, recently approved, has elected J. A. Hohne, president; E. N. Ennis, vice-president, and G. C. McKinley, cashier. Business is expected to begin by February 15.

Ga., Sandersville.—Official: The Cohen National Bank chartered; capital \$50,000; surplus \$25,000; Louis Cohen, president; Geo. D. Warthen, vice-president; C. L. Brewer,

cashier, and Ben Brookins, assistant cashier; directors, Louis Cohen, Geo. D. Warthen, Henry Paris, O. H. P. Beall, F. F. Stacer, H. M. Bashinski and C. L. Brewer.

Ky., Bowling Green.—Official: The Warren State Bank incorporated; capital \$50,000; H. E. Allison, president; J. N. Russell, vice president, and L. M. Cornelius, cashier.

Ky., Dixon.—The Farmers' Bank of Dixon, capital \$15,000, has been incorporated by Ben Watson, W. E. Bourland and J. T. Conley.

Ky., Hopkinsville.—The Planters' Bank & Trust Co. has been incorporated with \$150,000 capital by James West, W. T. Cooper and G. W. Wiley.

La., Lake Charles.—Official: Effective January 1, the Calcasieu Trust and Savings Bank of Lake Charles purchased the business of the First National Bank of Welsh, La.; the First National Bank of Jennings, La.; First National Bank of Lake Arthur, La., and have established a branch office at Kinder, La., all of the offices to be conducted as before, but taking the common name, Calcasieu Trust and Savings Bank. The capital is \$150,000, with \$100,000 surplus. Frank Roberts is president and E. N. Hazzard, cashier.

La., New Orleans.—Official: The Industrial Homestead Association chartered; authorized capital \$500,000; officers, J. D. O'Keefe, president; Harry I. Howard, first vice-president; R. E. de Montluzin, second vice-president; Sol Wexler, treasurer; F. J. Dreyfus, attorney; A. D. Danziger, notary, and E. A. Morgan, secretary.

La., New Orleans.—The Great Southern Accident & Fidelity Co. of Atlanta, Ga., capital \$50,000, announces that it will soon establish offices in New Orleans. The company was promoted by R. H. Cantrell of Atlanta, one of its directors. The officers are H. H. Bass, president, Griffin, Ga.; Ed. S. Moore, first vice-president, Atlanta, Ga.; W. A. S. Wheeler, Natchez and New Orleans, secretary, and J. R. Duvall of Atlanta, treasurer. The New Orleans office will be under the supervision of W. A. S. Wheeler.

La., Patterson.—An official letter states that the new bank just formed is a State bank and the result of the consolidation of the Bank of Patterson and the First National Bank. F. B. Williams is president.

Md., Baltimore.—The Crown Building and Loan Association incorporated; capital \$100,000; incorporators, William A. Goetze, Emma L. Goetze and John W. Lohmiller.

Okla., Atoka.—The Downing Investment Co., capital \$10,000, incorporated by H. B. Downing, Sam Downing and R. V. Downing.

Okla., Butler.—Official: A State bank, capital \$10,000, organized with directors thus: H. D. Cox, president; T. M. Miller, vice-president; A. H. Carter, J. W. Sprowles and J. S. Sprowles; A. H. Carter is cashier.

Okla., Covington.—The Citizens' State Bank, capital \$10,000, is reported chartered by W. L. Helton, M. L. Helton and Betta Helton.

Okla., Glenn Pool.—The Rumill State Bank, capital \$10,000, is reported organized with directors thus: G. H. Rumill of Janesville, Wis.; W. W. Fox, J. H. Anderson, E. E. Jenks, J. W. Johnson and John A. Burt, all of Glenn Pool.

Okla., Kenton.—The First State Bank, capital \$10,000, is reported organized by the Thurmond brothers.

Okla., Oklahoma City.—Official: The Oklahoma City Securities Co., incorporated; capital \$100,000; surplus \$40,000; directors, Abner Davis, president; Dr. J. M. Pastelle, vice-president; Nick M. Elles, treasurer; Henry M. Seales and B. E. Day.

Okla., Welch.—The Oklahoma State Bank, capital \$15,000, incorporated by W. L. Jones, T. W. Wallace and A. P. Ogler.

S. C., Columbia.—The Craps-Wactor Company is reported incorporated with \$7000 to do a general investment business; John T. Craps, president; C. M. Wactor, vice-president and secretary, and John T. Craps, treasurer.

S. C., Darlington.—Henry M. Smith writes that the new bank being organized will do a private banking business.

S. C., Florence.—An official letter confirms the report that the People's Savings Bank & Trust Co. has been organized with \$25,000 capital and J. W. McCown president, S. H. Saunders first vice-president, B. G. Gregg second vice-president and Julien C. Rogers cashier. The First National Bank of Florence, which is a conversion of the People's Bank of Florence, has the same officers and directors. The new bank was organized in order to enjoy the advantages of a State Bank in addition to those under a national bank charter.

S. C., Woodruff.—Official: The Woodruff Building and Loan Association chartered; initial capital \$50,000, directors, S. D. Parsons, president; W. F. Bryson, vice-president; J. B. Kilgore, H. H. Workman, M. A. Connally, C. M. Drummond, J. A. Workman, E. A. Reason, W. B. Westmoreland, E. V. Lanford and L. H. Irby. L. D. Fowler is secretary and treasurer.

Tenn., Chattanooga.—Official: The Provident Life and Accident Insurance Co. of Chattanooga chartered and incorporated; capital \$150,000. Incorporators and directors: Thos. Macellan, 105 East 7th St.; A. W. Chambliss, R. J. Macellan, M. Llewellyn and J. H. F. Lowry.

Tenn., Chattanooga.—Official: Evans & Stewart Company, 38 East 8th St., has applied for incorporation papers; capital \$10,000; incorporators, John R. Evans, J. A. Stewart, G. E. Mason, J. J. Cohn and J. B. Milligan. The company is organized to take over the general insurance business of Evans & Stewart.

Tenn., Cookeville.—The First National Bank of Cookeville chartered; capital \$50,000; organizers, J. T. Anderson, O. H. Anderson, J. H. Anderson, J. R. Tubb and Thos. Mason, all of Sparta, Tenn.

Tenn., Hurricane Mills.—Official: The Farmers and Merchants' Bank chartered; capital \$25,000. Business began January 15 with W. A. Daniel president, I. T. Crockett and H. W. Hooper vice-presidents and Joan E. Pullen cashier.

Tenn., Humboldt.—The Citizens' Bank, capital \$50,000, is reported to have opened for business with N. A. Cresap, president; J. T. Warren, cashier; Irby McFarland, assistant cashier; directors, W. A. Steel, W. E. Dunlap, E. M. Hamilton, R. T. Lewis, J. H. Hamilton, Dr. J. N. Koffman, J. O. Adams, H. T. Bennett, Irby McFarland, T. E. James and Thomas J. Walsh.

Tenn., Knoxville.—The Employees' Bonding Co. of Knox County, capital \$100,000, is reported incorporated by H. L. Dulin, B. H. Blanton, H. M. Johnston, Albert George, T. Tobias and R. E. L. Mountcastle.

Tenn., Memphis.—The Guarantee Finance & Investment Co., capital \$25,000, is reported incorporated by George W. Pryor, Max Halperin, H. F. Goodell, W. P. Biggs and Paul W. Evans.

Tex., Aransas Pass.—Official: The First State Bank of Aransas Pass chartered; capital \$10,000; directors, A. H. Danforth, president; E. O. Burton, vice-president; J. J.

Todd, cashier; Clark Packard, assistant cashier, and T. M. Winsor.

Tex., Athens.—Reported that a State bank with \$50,000 capital is being promoted by George M. Wofford, Judge W. T. Faulk and former State Senator J. J. Faulk.

Tex., Brady.—The First State Bank & Trust Co. has filed its charter; capital \$50,000; incorporators, J. S. Wall, W. N. White, S. S. Graham and others.

Tex., Denton.—Official: The Bankers & Citizens' Co-operative Life Insurance Co. has been organized with directors thus: Robert H. Hopkins, Jr., W. C. Edwards, C. A. Smith, J. P. Blount, B. H. Davenport of Denton, Tex., and W. D. Birdsong of Fort Worth, Tex. There is no capital, the company to be run on the mutual plan.

Tex., Garwood.—The Garwood State Bank, capital \$10,000, has filed its charter; incorporators, J. J. Pinchback, W. S. Griffiths and W. M. Griffiths.

Tex., Gilmer.—Official: The Gilmer State Bank incorporated; capital \$25,000; R. B. Nelson, cashier.

Tex., Houston.—The Texas Building & Investment Co. has filed its charter; capital \$10,000; incorporators, N. E. Meador, Louis E. Mills and Ered Heyne.

Tex., Lufkin.—Reported that a new bank is to be organized by W. R. McMullen.

Tex., Quannah.—The Farmers' State Bank, capital \$25,000, is reported organized with A. B. Dunlap, president; N. T. Gilbert, vice-president, and Mason Harwell, cashier.

Tex., Novice.—The Novice State Bank is reported incorporated with \$10,000 capital by L. E. Collins, D. A. Paddleford and J. P. Morris; officers, D. A. Parker, president; J. Rathmell, vice-president, and W. R. Stockard, cashier; directors, J. M. Barnett, D. A. Parker, R. L. Bates, J. P. Morris, W. R. McClellan, D. A. Paddleford and J. Rathmell.

Tex., Osceola.—The Guaranty State Bank has filed its charter; capital \$15,000; incorporators, R. L. Watson, W. H. Burt, W. R. Carr and others.

Tex., Paint Rock.—The First State Bank of Paint Rock has filed its charter; capital \$25,000; incorporators, S. Roach, O. L. Sims, Glard Houston and others.

Tex., San Antonio.—The Texas Title Guaranty Co. is reported being organized with \$250,000 capital. Guy S. McFarland or Messrs. Tegler, Tiffany & Co. may be able to give information.

Tex., Tyler.—The Guaranty State Bank is reported to have filed its charter; capital \$100,000; incorporators, A. P. Moore, Hampson Gary, J. W. Fitzgerald and others; directors, T. B. Butler, president; W. D. Swann, active vice-president, and A. P. Moore, vice-president; H. E. Byrne, H. L. Leblight, T. E. Swann, J. W. Fitzgerald, Hampson Gary and W. J. Miller.

Tex., Waco.—Official: The First State Bank & Trust Co., capital \$100,000, has begun business with F. M. Gardner president, Wm. L. Edmonds cashier, J. H. Lockwood vice-president and Leslie B. Gardner assistant cashier; directors, F. M. Gardner, J. H. Lockwood, W. E. Colgin, M. Kendrick, Ed Castleman, T. J. Primm and C. W. Caboon. A previous report gave the capital as \$10,000.

Va., Reedville.—The People's Bank of Reedville incorporated; capital, \$25,000 to \$50,000; J. B. Hinton, president; J. A. Haynie, vice-president; T. H. Jett, secretary; all of Reedville.

Va., Warrenton.—The People's National Bank of Warrenton, capital \$50,000, has been authorized to begin business with A. T. Fletcher, president; J. T. Cockrill, vice-president, and S. C. Brittle, cashier.

W. Va., St. Albans.—Official: The First National Bank will begin business January 26; capital \$25,000. Officers: C. J. Pearson, president; M. W. Stark, vice-president, and R. C. Sweet, cashier; directors, C. J. Pearson, M. W. Stark, W. H. Wilson, W. G. Long and Z. H. Trowbridge.

NEW SECURITIES.

Ala., Huntsville.—February 28, it is reported, an election is to be held to vote on \$29,000 of municipal bonds.

Ala., Gadsden.—Official: February 21 an election is to be held to vote on \$60,000 of water-works and \$50,000 of school 5 per cent. 30-year bonds; denomination, \$500.

Ark., Hamburg.—Official: \$20,000 of 6 per cent. water-works and electric-light plant bonds are to be issued. Address Jas. Gould.

Fla., Bradentown.—The New First National Bank of Columbus, Ohio, is reported to have been awarded a premium \$250,000 of Manatee county road bonds.

Fla., Lakeland.—Official: Bids will be received by H. L. Swatts, City Treasurer, until 2 P. M. March 1 for \$25,000 of public school, \$18,000 of electric-light and water plant and \$22,000 of water-mains extension 5 per cent. 30-year bonds; optional after July 1, 1921; dated January 1, 1910.

Fla., Miami.—Bids will be received until February 17 by Z. T. Merritt, Clerk Circuit Court, for \$150,000 of 4½ per cent. 12-30-year Dade county road and funding bonds.

Fla., Sanford.—Bids will be received until March 8 for \$80,000 of bridge and street, \$20,000 of school and \$20,000 of funding 6 per cent. 20-year bonds; denomination, \$1000.

Ga., Atlanta.—Official: February 15 city will vote on \$3,000,000 of sewer, schools, hospitals and crematory bonds. Robert F. Maddox is Mayor and Harvey Johnson secretary.

Ga., Homerville.—Official: \$8000 of 5 per cent. school bonds voted January 15 will be offered for sale as soon as validated; denomination, \$500. H. J. Dame is Mayor.

Ga., Macon.—Reported that \$100,000 of paving and \$100,000 of sewer bonds will soon be offered for sale. John T. Moore is Mayor.

Ky., Catlettsburg.—Reported that bids will be received by Hugh Chatfield, City Clerk, until noon January 24 for \$7,13.82 of 6 per cent. paving bonds.

Ky., Louisville.—Reported that arrangements have been made whereby the \$1,150,000 of 7 per cent. cumulative preferred stock and \$1,000,000 of 6 per cent. 30-year convertible bonds of the Louisville Lighting Co. will be taken by the Louisville Gas Co. and the New York interests of the lighting company.

Ky., Midway.—Reported that \$20,000 of 4½ per cent. 20-year school-building bonds have been sold.

Ky., Mount Sterling.—Reported that the \$50,000 of 5 per cent. sewer bonds have been purchased at \$1156 premium by the Union Savings Bank & Trust Co. of Cincinnati.

Ky., Winchester.—Ordinances have been prepared providing for the sale of \$65,000 of sewerage and \$40,000 of city building bonds. J. H. Hughes is Mayor and S. B. Tracy Clerk.

La., Amite City.—Official: \$6000 of 5 per cent. town hall bonds were voted on January 22, 1910; denomination, \$1000; dated March 15, 1910. C. M. Mixon is Mayor.

Mo., Centralia.—January 25 an election is to be held to vote on \$45,000 of water-works and \$20,000 of sewerage bonds.

Mo., Festus.—The Citizens' Bank of Festus is reported to have purchased \$8000 of 5 per cent. electric-light improvement bonds.

Mo., Joplin.—The City Council is reported to have passed an ordinance authorizing \$40,000 of bonds to assist in defraying the deficit for the present year.

Mo., Moberly.—Official: Wooden, McNear & Moore purchased on January 3, 1910, an issue of 5 per cent. 20-year water-works bonds voted October 16, 1909; dated January 1, 1910. J. F. Curry is City Clerk.

Mo., University City, P. O. St. Louis.—Reported that \$100,000 of 5 per cent. 10-20-year city hall, fire department and bridge bonds were recently purchased by the Wm. R. Compton Company of St. Louis.

N. C., Randleman.—Reported that \$5,000 of road bonds have been voted.

N. C., Tarboro.—Official: Bids will be received until 7:30 P. M. February 1 for \$20,000 of 5 per cent. 30-year water, light and sewer bonds; denomination, \$1000; dated January 1, 1909. Address John A. Weddell.

Okla., Ada.—Pontotoc county is reported to have sold \$18,000 of bonds.

Okla., Ardmore.—Arrangements are to be made, it is stated for the sale of \$60,000 of 5 per cent. 25-year reimbursement bonds; dated June 1, 1909. James A. Cotner is Mayor.

Okla., Guthrie.—Reported that the \$125,000 of 5 per cent. 25-year water, fire, sewer and park bonds have been purchased at \$2727 premium by C. E. Denison & Co. of Cleveland.

Okla., Marietta.—An official letter confirms the report that A. J. McMahon of Oklahoma City has purchased \$75,000 of 5 per cent. 10-20-year Love county courthouse and jail bonds; denomination, \$500 and \$1000; dated October 1, 1909. John I. Pittman is County Clerk.

Okla., New Cordell (P. O. Cordell).—An official letter confirms the report that A. J. McMahon of Oklahoma City purchased \$37,500 of 6 per cent. 25-year water-works and electric-light bonds; denomination, \$1000, one for \$200; dated August 1, 1909. Bonds voted July 15, 1909.

Okla., Oklahoma City.—An official letter confirms the report that bids will be received by Bob Parman, City Clerk, until January 31 for \$210,000 of 4½ or 5 per cent. 25-year water,

inclinators and building-site bonds; denomination \$1000; dated January 1, 1910.

Okla., Cleveland.—It is reported that G. W. Little of Pawnee purchased at par the \$16,000 of 5 per cent. 25-year school-building bonds offered on November 15.

S. C., Florence.—Bids will be received by M. D. Lucas, secretary and treasurer Commissioners of Public Works, until 11 A. M. February 21 for \$30,000 of 5 per cent. 20-40-year water-works bonds.

S. C., Rock Hill.—An election to vote on \$150,000 of water, \$100,000 of sewerage and \$35,000 of light-plant bonds will, it is stated, be held February 24.

Tenn., Franklin.—Bids will be received by H. P. Fowkes, Recorder, until noon February 14 for \$35,000 of 4, 4½ and 5 per cent. 20-30-year sewer and water-works bonds.

Tenn., Morristown.—An official letter confirms the report that \$40,000 of bonds have been voted. John Garriger is Mayor.

Tenn., Rutledge.—Official: Bids will be opened February 12 for \$100,000 of 5 per cent. 30-year Grainger county road bonds; denomination, \$1000; dated February 1, 1910. Address A. M. Nance, secretary, Rutledge, Tenn.

Tex., Alvin.—Voted: \$136,000 of drainage bonds.

Tex., Amarillo.—Reported that bids will be received until February 15 by W. S. Roberts, president Board of Education, for \$100,000 of 5 per cent. 40-year independent school district building bonds; dated February 1, 1910.

Tex., Austin.—The Attorney-General has approved the following securities: \$7000 of 5 per cent. 40-year bonds of Travis county common school district No. 41; \$15,000 of 5 per cent. 20-40-year bonds of Navarro county common school district No. 60; \$800 of 5 per cent. 15-20-year district No. 11, and \$1500 of 5 per cent. 10-20-year district No. 6, Haskell county, school bonds; \$50,000 of 5 per cent. 40-year Guadalupe county road bonds; \$9000 5 per cent. 15-40-year Jeff Davis county common school district No. 4 schoolhouse bonds; \$50,000 of 5 per cent. 10-40-year street and improvement bonds of Abilene; \$5000 of 5 per cent. 10-20-year Commerce school building bonds; \$800 of district No. 8, \$1200 of district No. 7 and \$800 of district No. 13 5 per cent. 10-20-year Titus county school bonds; \$30,000 of 5 per cent. 10-40-year Corpus Christi water-works bonds; \$10,000 of street improvement and \$10,000 of city hall 5 per cent. bonds of McKinney, Tex.

Tex., Bovina.—Reported that \$12,000 of school-building bonds have been voted.

Tex., Brady.—McCulloch county is reported to have voted bridge bonds.

Tex., Cameron.—Hefley improvement district, Milam county, is reported to have voted levee bonds.

Tex., Cameron.—Reported voted: \$3500 of school district No. 41 Milam county school bonds.

Tex., Chapin.—Regarding the report that \$176,000 of 5 per cent. 20-40-year bonds of drainage district No. 1, Hidalgo county, are being offered, H. E. Chaney, County Clerk, writes that no new bond issue is contemplated.

Tex., Corsicana.—Reported that the Dallas Trust & Savings Bank has purchased at \$50 premium \$20,000 of 5 per cent. 40-year sewer bonds.

Tex., Fort Worth.—The County Commissioners are reported to have ordered the sale of \$250,000 of 5 per cent. 40-year bonds of Tarrant county levee district No. 1; Robt. G. Johnson, Isaac Van Zandt and J. J. Lydon, Levee Commissioners.

Tenn., Huntington.—Reported that on February 5 an election will be held to vote on \$10,000 of bonds for extension of streets, electric lights and water mains to East End.

Tex., Jacksboro.—Reported that application is to be made to the City Council to call an election to vote on bonds for school building to cost from \$35,000 to \$40,000.

Tex., Liberty.—Reported that bids are being received by I. B. Simmons, County Judge, for \$85,000 of 5 per cent. improvement bonds of Old River Drainage District No. 1, Liberty county.

Tex., Lockney.—Reported that an election is to be held to vote on \$10,000 of school-buildings bonds.

Tex., Martin.—Official: February 23 election will be held to vote on \$15,000 of 5 per cent. 40-year school-building bonds; denomination \$1000. Address The Mayor.

Tex., Newcasttle.—Reported that \$11,000 of 5 per cent. 20-40-year school-building bonds have been purchased at par by the State.

[For Additional Financial News, See Page 74.]

Established 1835.
The Merchants National Bank
 South and Water Sts., BALTIMORE, MD.
 DOUGLAS H. THOMAS, President.
 W. M. INGLE, Vice-President and Cashier.
 J. C. WANDS, Asst. Cashier.
 JOHN B. H. DURN, Asst. Cashier.
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 Surplus and Profits, \$900,000
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GEO. M. CLARK
 Auditor and Public Accountant
 Room 315 James Building
 CHATTANOOGA, TENN.

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 Capital, \$800,000
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 Capital and Surplus, \$1,500,000
 RICHMOND, VA.
 JOHN SKELTON WILLIAMS, President.
 FRED'K E. NOLTING, 1st Vice-President.
 T. K. SANDS, 2d Vice-President and Cashier.
 H. A. WILLIAMS, Assistant Cashier.
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 A SPECIALTY

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 Hopkins Place, German and Liberty Sts.
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 July 15, 1903, Surplus and Profits, \$671,631.60
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 SUMMERFIELD BALDWIN, Vice-Pres.
 R. VINTON LARSDALE, Cashier.
 WM. J. DELCHER, Asst. Cashier.
 C. G. MORGAN, Asst. Cashier.
 Accounts of Mercantile Firms, Corporations, Banks, Bankers and Individuals Invited.

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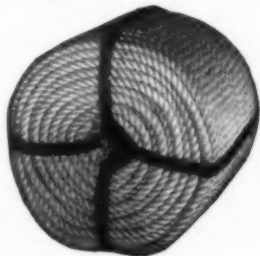
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TRANSMISSION ROPE

Tex., Paris.—Reported that it is proposed to hold an election February 24 to vote on \$85,000 of bonds.

Tex., Pendleton.—Official: Voted: \$7000 of 5 per cent. 30-year school bonds. The bonds will be issued at the regular session of the Bell County Commissioners' Court to be held at Belton about February 12; W. S. Shipp, County Judge.

Tex., Port Arthur.—Reported defeated: Bonds for drainage purposes.

Tex., Port Lavaca.—Official: Bonds recently voted will as soon as possible be issued and approved. A report gave the amount voted as \$22,000. John B. Mahon is president of the School Board.

Tex., Tom Bean.—An election is to be held February 12 to vote on \$5000 of school-building bonds. Address County Commissioners at Sherman, Tex.

Tex., Waxahachie.—The Texas Trust Co. is reported to have purchased \$250,000 of 10-40-year Ellis county road bonds.

Tex., West.—Reported that an election is to be held February 23 to vote on \$6000 of 5 per cent. 30-year school bonds.

Tex., Wichita Falls.—February 15, it is reported, an election will be held to vote on \$40,000 of paving bonds.

Va., Big Stone Gap.—An official letter confirms the report that John Nuveen & Co. of Chicago have purchased \$30,000 of 5 per cent. 30-year street, town hall and sewer bonds, voted October 26, 1909; denomination \$500; dated January 1, 1910.

Va., Pocahontas.—An official letter says that on October 8, 1908, \$25,000 of school-building and \$35,000 of street and sewer 5½ per cent. 30-year bonds were voted. There is no new issue of bonds contemplated in the near future.

Va., Roanoke.—The City Council has voted to call an election to vote on \$300,000 of land and public buildings, \$285,000 of street improvements, \$75,000 sewer, \$100,000 of public school improvement and \$40,000 of fire department bonds. The election will probably be held for March 24. An official letter confirms the above.

Va., Winchester.—Reported that a bill is to be submitted to the Legislature asking authority to issue \$125,000 of water-extension bonds.

At Lakeland, Fla., bids will be received until 2 P. M. March 1 for \$25,000 of public school, \$18,000 of electric-light and water plant and \$22,000 of water-mains extension 5 per cent. 30-year bonds. Further particulars will be found in the advertising columns.

FINANCIAL NOTES.

Louis S. Zimmerman has been elected president of the Maryland Trust Co. of Baltimore.

The Cleburne County Bank at Heber, Ark., has increased its capital from \$10,000 to \$25,000.

The Smith County Bank at Taylorsville, Miss., it is reported, has increased its capital to \$60,000.

The Farmers' State Bank of Ames, Okla., is reported to have increased its capital from \$5000 to \$10,000.

The People's Savings Bank of Henderson, Ky., will, it is reported, increase its capital from \$15,000 to \$25,000.

The El Paso National Bank of El Paso,

Tex., is reported to have increased its capital from \$200,000 to \$300,000.

The Tennessee Valley Bank of Decatur, Ala., is reported to have increased its capital from \$75,000 to \$100,000.

The Pierce City National Bank of Pierce City, Mo., has changed its name to the First National Bank of Pierce City.

The Planters and Mechanics' Bank of Oklahoma City, Okla., is reported to have increased its capital from \$25,000 to \$50,000.

The Gadsden Loan & Trust Co. of Gadsden, Ala., it is reported, has decided to increase its capital from \$25,000 to about \$75,000.

The Oklahoma City Building and Loan Association of Oklahoma City is reported to have increased its capital from \$300,000 to \$700,000.

The Wellington State Bank of Wellington, Tex., is reported to have amended its charter, increasing its capital from \$25,000 to \$50,000.

The Marfa State Bank at Marfa, Tex., is reported to have filed an amendment to its charter, increasing its capital from \$10,000 to \$25,000.

The Wachovia Loan & Trust Co. of Winston-Salem, N. C., is reported to have voted to increase its capital from \$800,000 to \$1,000,000.

The North Carolina Savings Bank & Trust Co. of High Point, N. C., is reported to have decided to increase its capital from \$100,000 to \$135,000.

Reported that the First State Bank of Riesel, Tex., has filed an amendment to its charter, increasing its capital from \$10,000 to \$12,500.

The conversion of the Farmers and Cannery Bank of Troutville, Va., into the First National Bank of Troutville is reported approved; capital \$25,000.

The Dollar Savings & Trust Co. of Wheeling, W. Va., is reported to have increased its capital from \$432,000 to \$500,000 and the surplus from \$432,000 to \$500,000.

The Seguin State Bank of Seguin, Tex., is reported to have voted to change its name to the Seguin State Bank & Trust Co. and increase its capital from \$25,000 to \$50,000.

Mackubin, Goodrich & Co., bankers, 110 East German St., Baltimore, Md., have issued a booklet entitled "Financial Review" for the year 1909, containing the high, low and last quotations for that year, as well as those for 1908, of all stocks and bonds traded in on the Baltimore and New York stock exchanges. The booklet also contains other valuable information, such as the financial statement of Baltimore city and the rule formulated for the investment of all trust funds coming under the jurisdiction of the equity courts of Baltimore city.

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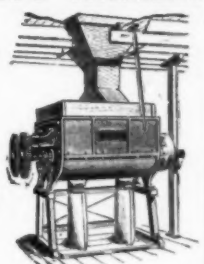
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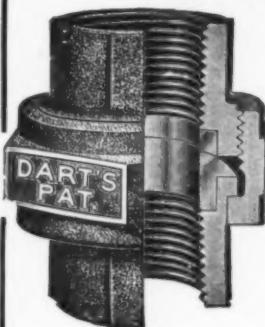
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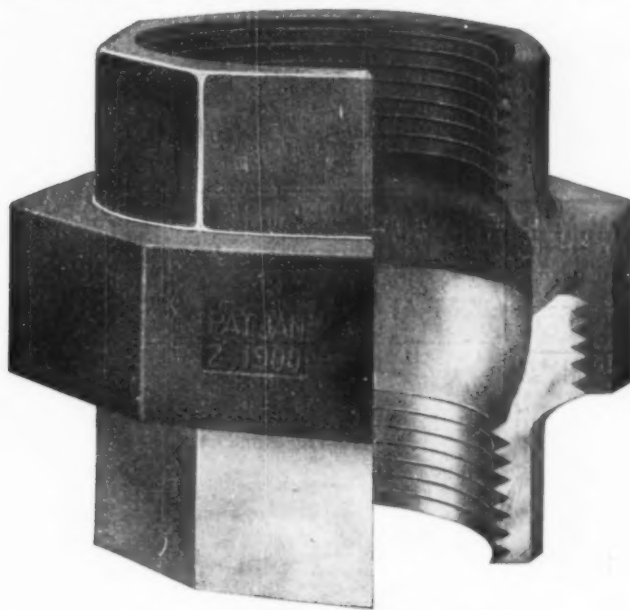
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BRICK PLANTS

BRICK PLANT WANTED at Mount Pleasant, Texas; abundance of raw material; clay in three colors, suitable for the manufacture of building, fire and vitrified brick; cheap fuel; railroads four ways out; building operations are very active within a radius of 100 miles, and the demand for clay products of all kinds is constantly increasing. A new railroad is now being built to Paris, and it will be through four good towns on 50 miles new country thickly settled. Three hundred resident homes built in last 13 months; several under construction; low taxes; good healthy farming country. For further information address J. V. Moore, Com. Sect. Mount Pleasant Commercial Club, Mount Pleasant, Texas.

BRICK PLANT WANTED AT COLEMAN, TEXAS—Steel now being laid out of Coleman on the 310-mile Coleman-Texico cut-off of the Santa Fe, the best road ever built in Texas, through the best and most rapidly developing part of the United States. The Temple branch of the Santa Fe also passes through Coleman. A million bricks are needed in Coleman now, also brick to build a number of new towns on the cut-off. We have unlimited amount of best shale, abundant water, cheap fuel and are the distributing point for a large area. Ask the Commercial Club, Coleman, Texas.

FIRE BRICK

FIRE BRICK AND POTTERS' CLAY—Excellent quality fire-brick clay, suitable for paving brick, fire brick, drain pipes and pottery; as good as any fire clay in the State; shipping facilities excellent; cheap fuel; plenty of good water; healthy country; labor plentiful; supply of clay inexhaustible. Refer to File No. 503. J. I. Hey, Auditor and Traffic Manager, Marshall & East Texas Railway, Marshall, Texas.

GLASS FACTORY

ATLANTA, TEXAS, WANTS A GLASS FACTORY—We have an unlimited quantity of glass sand that analyzes over 99 per cent. silica; natural gas in any quantity at satisfactory price; salt and lime manufactured close by; plenty of timber and water and other material; free site, free sand and 20 years exemption from city taxation 10 years, free artesian water to the first factory; transportation and rates all right. Write for full particulars on this and other factory proposition. Great opportunities. Cass County Industrial League, Atlanta, Texas.

FURNITURE FACTORIES

WANTED—Furniture factory at Valdosta, Ga. Practical man with some capital will have co-operation of local capital. W. L. Glessner, Secy. Board of Trade, Valdosta, Ga.

COTTON MILLS

COTTON MILL WANTED—Eight railroad outlets, cotton in abundance, cheap labor, the best distributing point to reach Arkansas, Texas, Oklahoma and Louisiana points (look at our town on the map) make Texarkana the point for you to build a cotton mill; home capital will join yours if you have money of your own to invest; don't want promotion schemes. Address Boosters' Club, Texarkana, Ark.-Texas.

ABILENE, TEXAS, wants a cotton mill; inexhaustible supply of pure water; steam coal at \$1.50 per ton; splendid shipping facilities; near the geographical center of the State; one-quarter million bales of cotton produced within a radius of 45 miles of the city last year. Address Abilene 25,000 Club, Box 537.

HOTELS WANTED

A MODERN HOTEL, exceptional in its appointments and management, is wanted at Houston, Texas, a city with a population of 105,000 and rapidly increasing; seventeen railroads and transcontinental lines; manufacturing and commercial center; visited by tourists and other travelers of wealth. An exceptional opportunity for a profitable investment. Write Adolph Boldt, Secretary Houston Business League.

A RESORT TOWN in North Carolina, which each year is attracting more visitors and more permanent residents, needs additional hotel accommodations of the first class. Is well located for tourist travel and its reputation is country-wide. Some beautiful sites are available. Refer to File 11,325. M. V. Richards, Land and Industrial Agent, Southern Railway, Washington, D. C.

AN INDIANA CITY of 50,000 people, located on the Ohio River, is in need of a good hotel. It has large manufacturing and commercial interests, and a first-class hotel would have a fine patronage, with little or no opposition. The Commercial Club will co-operate with interested parties. This is a good opening for a practical man who can command capital for investment in building. Refer to File 3180. M. V. Richards, Land and Industrial Agent, Southern Railway, Washington, D. C.

CREAMERY

WAXAHACHIE, TEXAS, wants a creamery; has 10,000 population, and 80,000 in the county, with 1,276,000 within a radius of 100 miles; Ellis county produces more cotton than any other county in the world; with railroads radiating in five directions and reaching many populous cities; in the famous alfalfa belt of Texas; with an abundance of pure water, fine water-works and sewerage system; now spending \$250,000 on macadamized roads within a radius of 10 miles and leading into the city; with at least 1000 good milk cows to start on within a radius of five miles, and this number would possibly be quadrupled within a short time. Waxahachie has many beautiful homes, 10 church edifices, is the home of Trinity University; public high school affiliated with State University. To a competent, practical man, liberal inducements will be offered by the citizens of Waxahachie for the location of a good creamery here. Interested parties will receive full information by addressing Roy Connally, Secy. Waxahachie Com'l. Club, Waxahachie, Texas.

COTTON COMPRESSES

QUANAH, population 5000, marketed 15,000 bales cotton 1909; wants cotton compress; 100,000 bales in sight for same low estimate; citizens will take \$15,000 stock in such enterprise; want experienced party to take balance. Chamber of Commerce, Quanah, Tex.

COTTONSEED-OIL MILL

LOCATION FOR COTTONSEED-OIL MILL. The citizens of a thriving little town in Georgia, on the Seaboard Air Line Railway, are anxious for a cottonseed-oil mill, and will subscribe \$15,000 to \$20,000 for the establishment of such an industry if an experienced oil-mill man will invest a like amount; location in center of cotton district, and abundant seed supply is available. Full information on request. J. W. White, General Industrial Agent, Seaboard Air Line Railway, Norfolk, Va.

MISCELLANEOUS

DO YOU WANT Water Power? Cotton Mill? Fruit and Vegetable Farm? Poultry Farm? Cattle Ranch? Timber, Furniture or other Woodworking Plant? Summer or Winter Home, Hotel or Boarding-house? Auto. Transportation on Mountain Turnpike? If not these, state what you desire. We have it. Caldwell & Northern Railroad Co., Chester, S. C.

NAVASOTA, TEXAS—With railroads radiating in eight directions and prospective navigation to deep water, and with a sufficient quantity of raw material at hand to secure the successful operation of the following manufacturing enterprises, we feel warranted in inviting the attention of business men to invest with us in the following: Cotton-yarn mill, pressed-brick plant, and creamery for one thousand cows. Address J. J. Felder, Navasota, Texas.

IN THE RING—Mullin, Tex., through her Commercial Club, wants to tell you where you can find a tip-top place to start a general mercantile business. J. T. Allen, Secretary, Mullin, Tex.

WANTED AT ONCE—A lumber yard, bank, hotel, hardware store and other businesses in the new town of Carter, on new R. R. It just building. Address Frank T. Alexander, Carter, Okla.

MANUFACTURERS, JOBBERS AND WHOLESALERS WANTED—The South and West are rapidly developing. Texarkana is in the center of territory, population and railroads. We have eight different ways of shipping our goods. All our jobbers have this year declared handsome dividends, as well as our factories. Look at us on the map; see our outlets. A most unique situation as to freight rates to reach all Texas, Louisiana, Oklahoma and Arkansas points. No other town has it. Ask about it. 30,000 people here now; rapidly developing; over a million and a half dollars to be spent here next year in public improvements; two more railroads in sight; heart of hardwood and pine timber belt; 30 different kind of factories here now; more negotiating with us. We want you. If you want further data, ask us for it. A decided pleasure to answer any inquiries. Boosters' Club, Texarkana, Ark.-Texas.

FURNITURE FACTORY—Free site and liberal stock subscription for location of furniture factory of any kind. Abundance of raw material and unexcelled transportation facilities. Address Chas. R. Rowe, Secretary Lufkin Progressive League, Lufkin, Texas.

A FEDERATION OF COMMERCIAL CLUBS of N. W. Texas and S. W. Oklahoma will mail pamphlets describing the splendid resources for manufacturing, distributing, diversified farming, business and investment openings in this rapidly developing territory; greatest oil, natural-gas and coal fields in the Southwest. Address J. C. Mytinger, Wichita Falls, Texas.

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